Appendix 3. SAR Distribution Scans

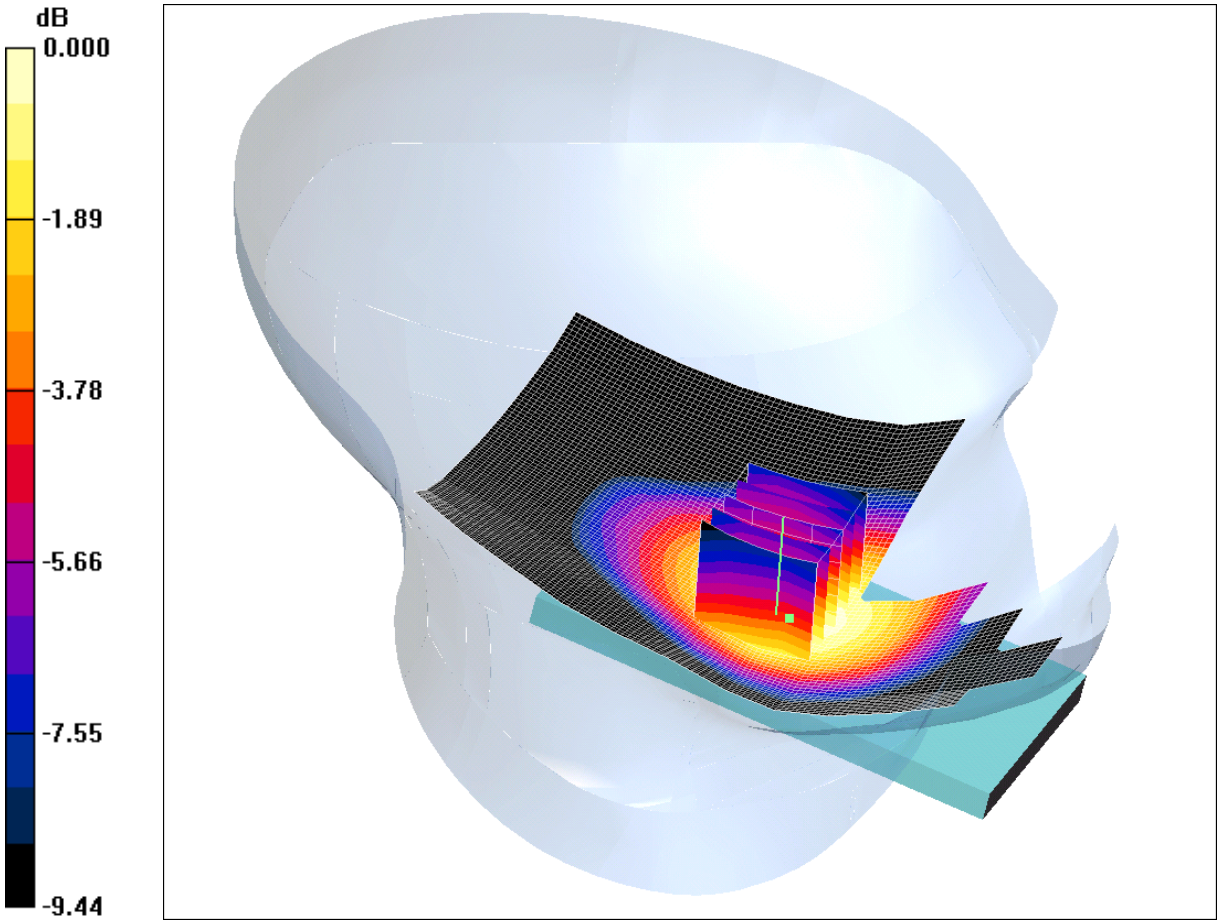
This appendix contains SAR distribution scans which are not included in the total number of pages for this report.

Scan Reference Number	Title
SCN/85011JD03/001	Touch Left GSM CH189
SCN/85011JD03/002	Tilt Left GSM CH189
SCN/85011JD03/003	Touch Right GSM CH189
SCN/85011JD03/004	Tilt Right GSM CH189
SCN/85011JD03/005	Touch Right GPRS CH189
SCN/85011JD03/006	Touch Right EGPRS CH189
SCN/85011JD03/007	Front of EUT Facing Phantom Hotspot Mode GPRS CH189
SCN/85011JD03/008	Rear of EUT Facing Phantom Hotspot Mode GPRS CH189
SCN/85011JD03/009	Left Hand Side of EUT Facing Phantom Hotspot Mode GPRS CH189
SCN/85011JD03/010	Right Hand Side of EUT Facing Phantom Hotspot Mode GPRS CH189
SCN/85011JD03/011	Bottom of EUT Facing Phantom Hotspot Mode GPRS CH189
SCN/85011JD03/012	Rear of EUT Facing Phantom Hotspot Mode EGPRS CH189
SCN/85011JD03/013	Rear of EUT Facing Phantom Hotspot Mode GSM CH189
SCN/85011JD03/014	Rear of EUT Facing Phantom Hotspot Mode with PHF GPRS CH189
SCN/85011JD03/015	Touch Left PCS CH660
SCN/85011JD03/016	Tilt Left PCS CH660
SCN/85011JD03/017	Touch Right PCS CH660
SCN/85011JD03/018	Tilt Right PCS CH660
SCN/85011JD03/019	Touch Right GPRS CH660
SCN/85011JD03/020	Touch Right EGPRS CH660
SCN/85011JD03/021	Front of EUT Facing Phantom Hotspot Mode GPRS CH660
SCN/85011JD03/022	Rear of EUT Facing Phantom Hotspot Mode GPRS CH660
SCN/85011JD03/023	Left Hand Side of EUT Facing Phantom Hotspot Mode GPRS CH660
SCN/85011JD03/024	Right Hand Side of EUT Facing Phantom Hotspot Mode GPRS CH660
SCN/85011JD03/025	Bottom of EUT Facing Phantom Hotspot Mode GPRS CH660
SCN/85011JD03/026	Rear of EUT Facing Phantom Hotspot Mode EGPRS CH660
SCN/85011JD03/027	Rear of EUT Facing Phantom Hotspot Mode PCS CH660
SCN/85011JD03/028	Rear of EUT Facing Phantom With PHF Hotspot Mode EGPRS CH660
SCN/85011JD03/029	Touch Left WLAN 802.11b 1Mbps CH6
SCN/85011JD03/030	Tilt Left WLAN 802.11b 1Mbps CH6
SCN/85011JD03/031	Touch Right WLAN 802.11b 1Mbps CH6
SCN/85011JD03/032	Tilt Right WLAN 802.11b 1Mbps CH6
SCN/85011JD03/033	Tilt Right WLAN 802.11g 6Mbps CH6
SCN/85011JD03/034	Tilt Right WLAN 802.11n 6.5Mbps CH6

SAR Distribution Scans (Continued)

Scan Reference Number	Title
SCN/85011JD03/035	Front of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1Mbps CH6
SCN/85011JD03/036	Rear of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1Mbps CH6
SCN/85011JD03/037	Left Hand Side of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1Mbps CH6
SCN/85011JD03/038	Right Hand Side of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1Mbps CH6
SCN/85011JD03/039	Top of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1Mbps CH6
SCN/85011JD03/040	Rear of EUT Facing Phantom Hotspot Mode WLAN 802.11g 6Mbps CH6
SCN/85011JD03/041	Rear of EUT Facing Phantom Hotspot Mode WLAN 802.11n 6.5Mbps CH6
SCN/85011JD03/042	Rear of EUT Facing Phantom With PHF Hotspot Mode WLAN 802.11b 1Mbps CH6
SCN/85011JD03/043	System Performance Check 900MHz Head 05 01 12
SCN/85011JD03/044	System Performance Check 900MHz Head 06 01 12
SCN/85011JD03/045	System Performance Check 900MHz Body 09 01 12
SCN/85011JD03/046	System Performance Check 900MHz Body 10 01 12
SCN/85011JD03/047	System Performance Check 900MHz Body 11 01 12
SCN/85011JD03/048	System Performance Check 1900MHz Head 11 01 12
SCN/85011JD03/049	System Performance Check 1900MHz Body 13 01 12
SCN/85011JD03/050	System Performance Check 2450MHz Head 17 01 12
SCN/85011JD03/051	System Performance Check 2450MHz Body 17 01 12
SCN/85011JD03/052	System Performance Check 2450MHz Body 18 01 12

SCN/85011JD03/001: Touch Left GSM CH189
Date 05/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

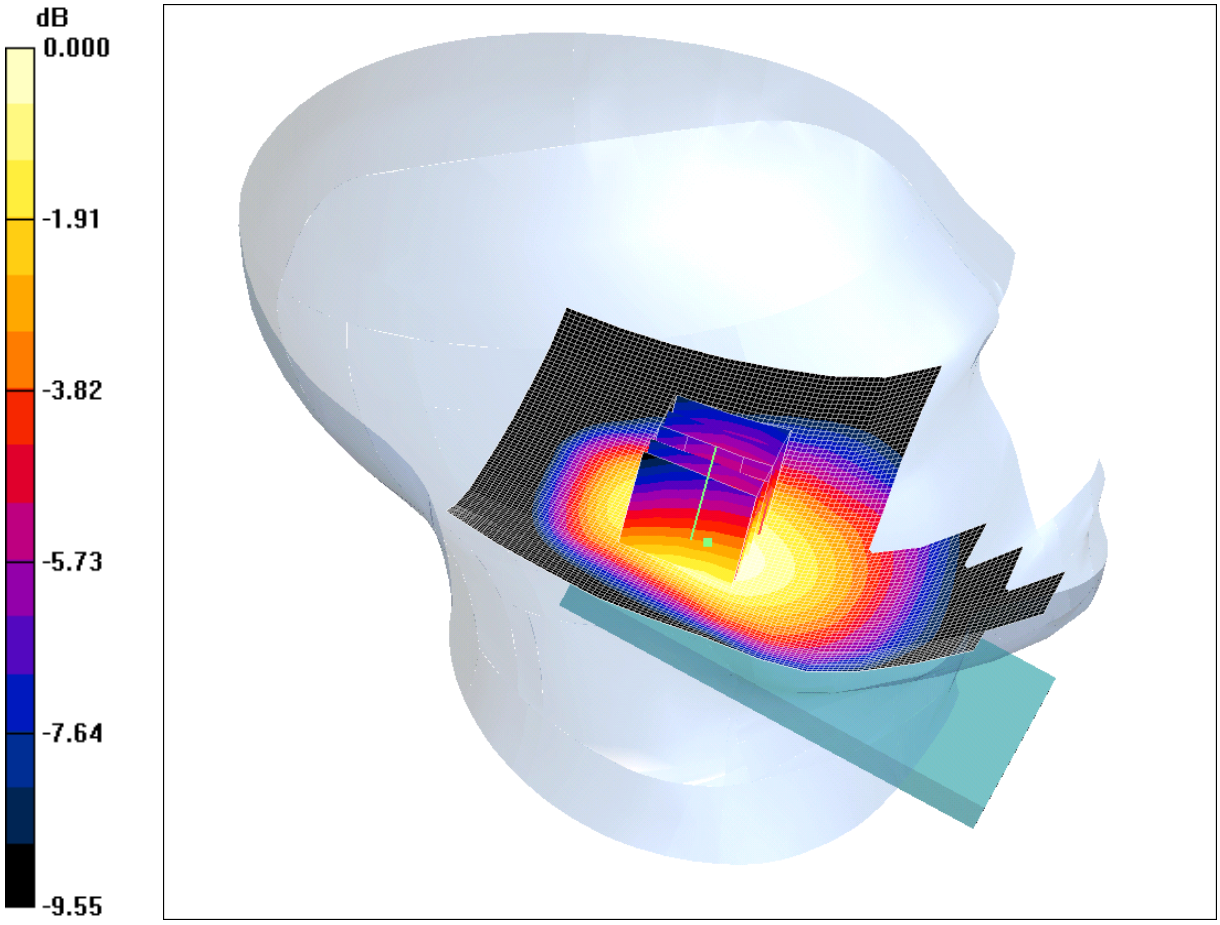


0 dB = 0.204mW/g

Communication System: 850 MHz; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.884 mho/m; ε_r = 42.1; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Left - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.204 mW/g
Touch Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.96 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.236 W/kg
SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.145 mW/g
Maximum value of SAR (measured) = 0.204 mW/g

SCN/85011JD03/002: Tilt Left GSM CH189
Date 05/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

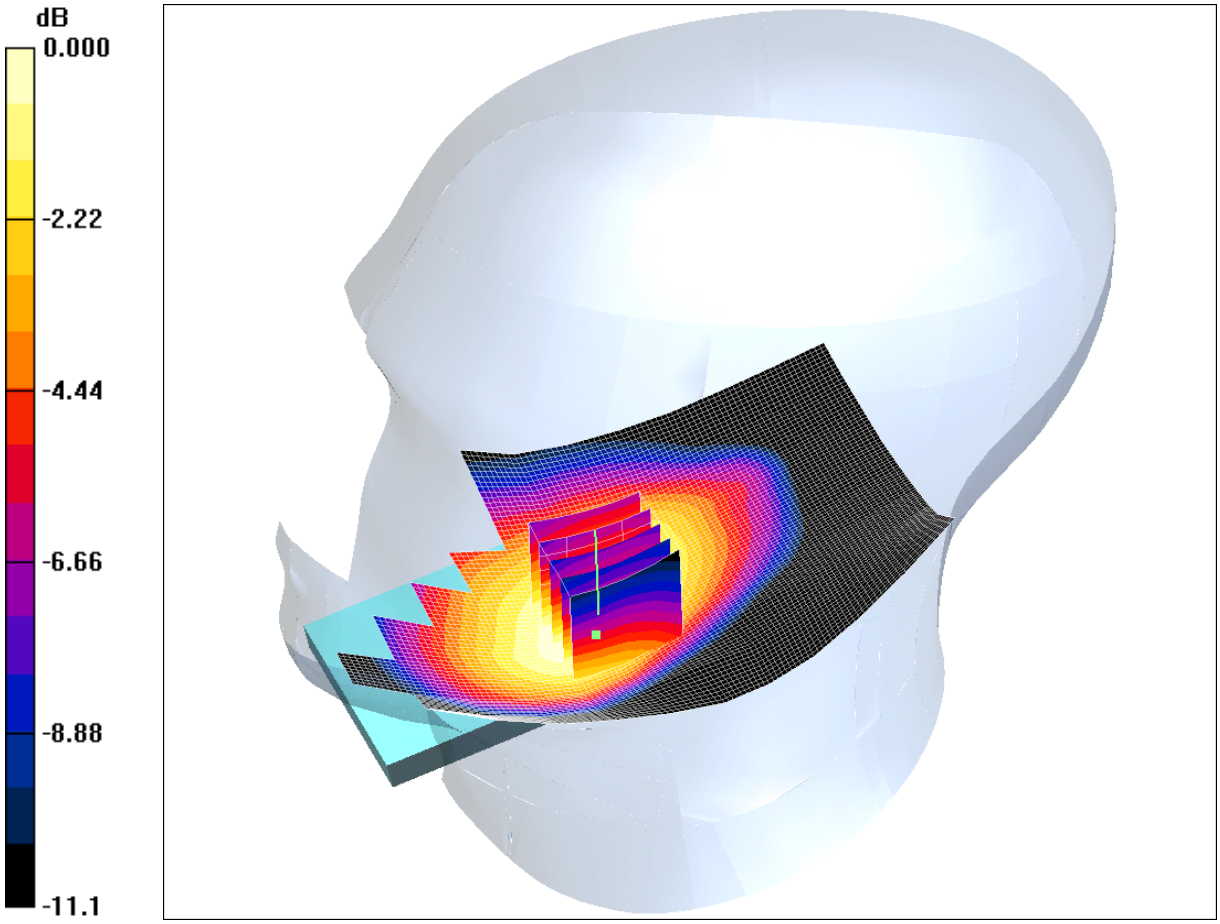


0 dB = 0.118mW/g

Communication System: 850 MHz; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.884 mho/m; ε_r = 42.1; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Left - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.120 mW/g
Tilt Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.15 V/m; Power Drift = -0.088 dB
Peak SAR (extrapolated) = 0.136 W/kg
SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.084 mW/g
Maximum value of SAR (measured) = 0.118 mW/g

SCN/85011JD03/003: Touch Right GSM CH189
Date 05/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

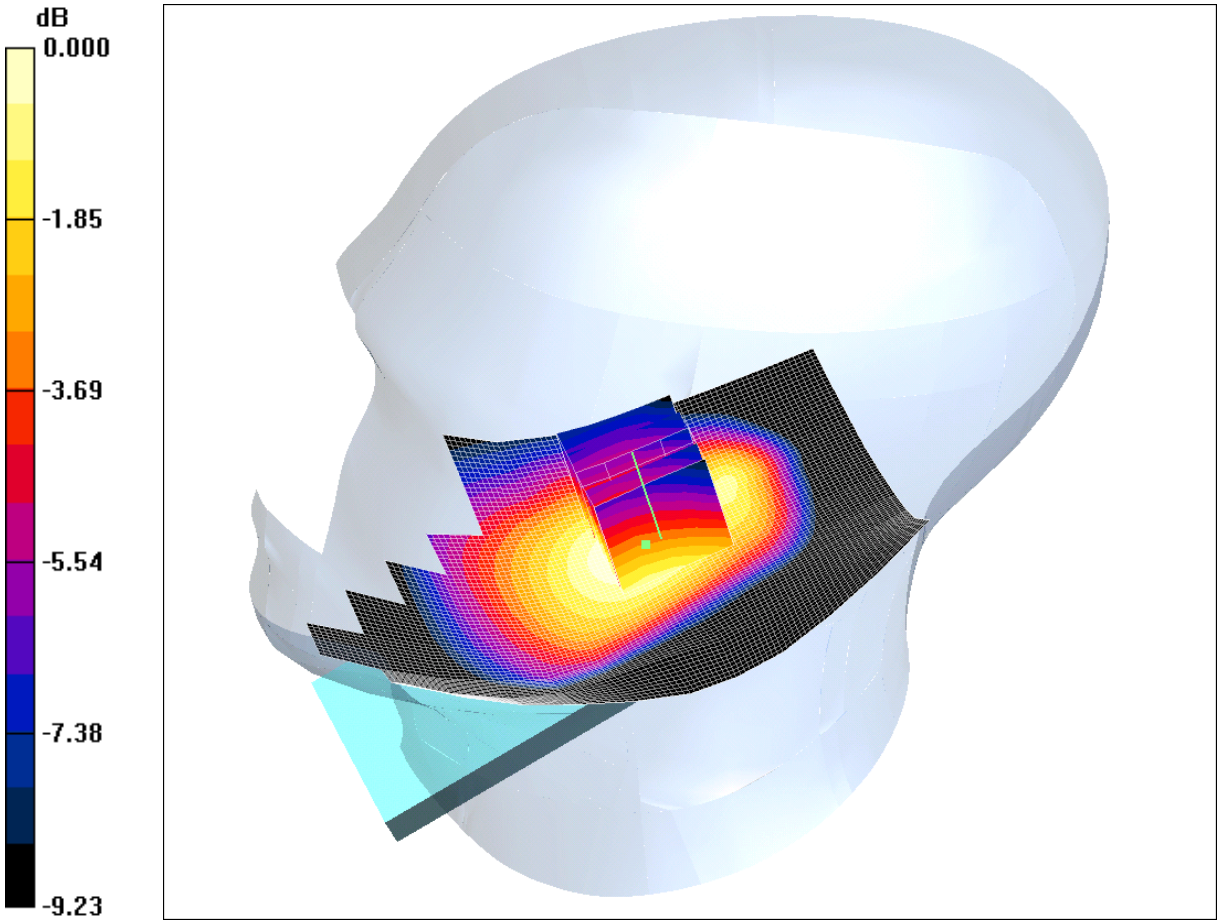


0 dB = 0.212mW/g

Communication System: 850 MHz; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.884 mho/m; ε_r = 42.1; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.224 mW/g
Touch Right - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.19 V/m; Power Drift = -0.121 dB
Peak SAR (extrapolated) = 0.262 W/kg
SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.147 mW/g
Maximum value of SAR (measured) = 0.212 mW/g

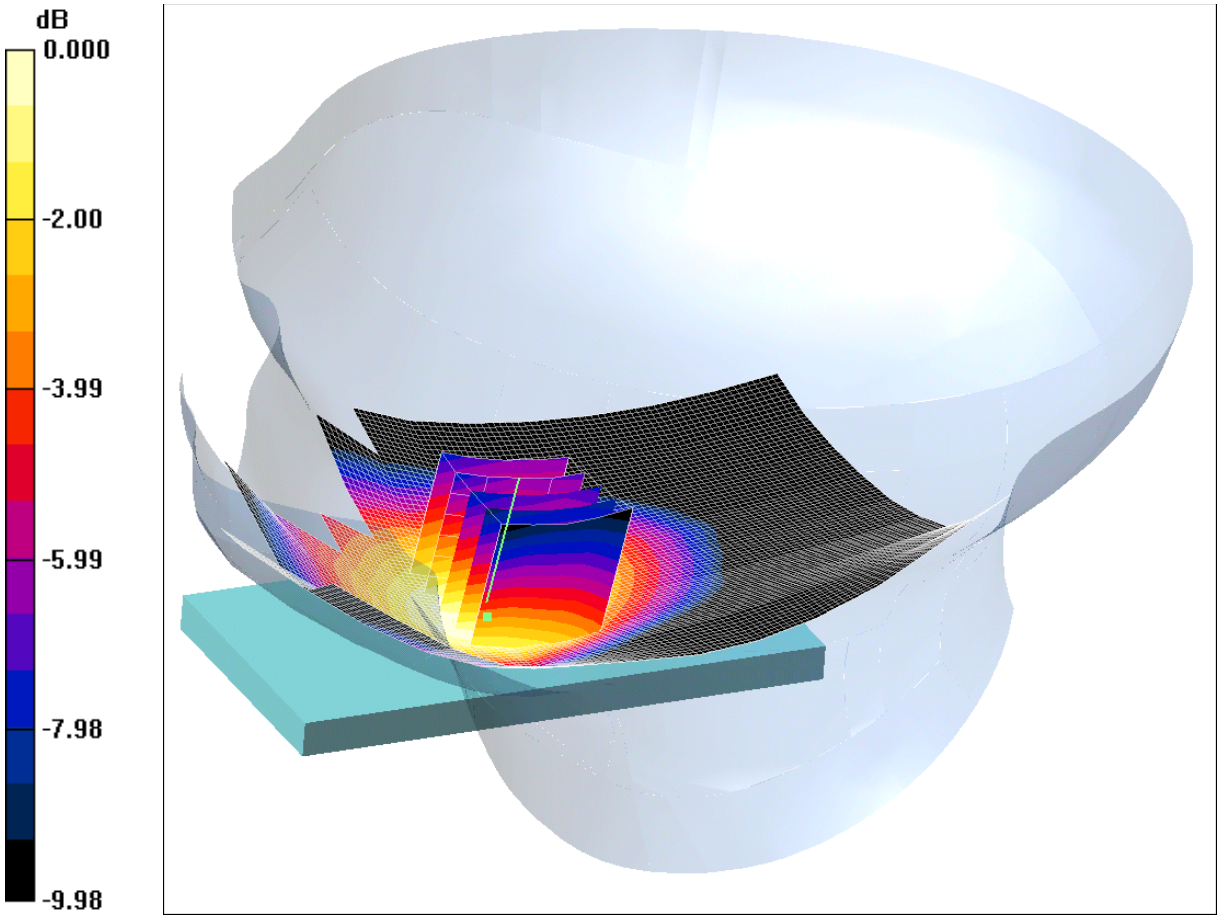
SCN/85011JD03/004: Tilt Right GSM CH189
Date 05/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078



0 dB = 0.139mW/g

Communication System: 850 MHz; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.884 mho/m; ε_r = 42.1; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Tilt Right - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.145 mW/g
Tilt Right - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.57 V/m; Power Drift = 0.068 dB
Peak SAR (extrapolated) = 0.160 W/kg
SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.102 mW/g
Maximum value of SAR (measured) = 0.139 mW/g

SCN/85011JD03/005: Touch Right GPRS CH189
Date: 06/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

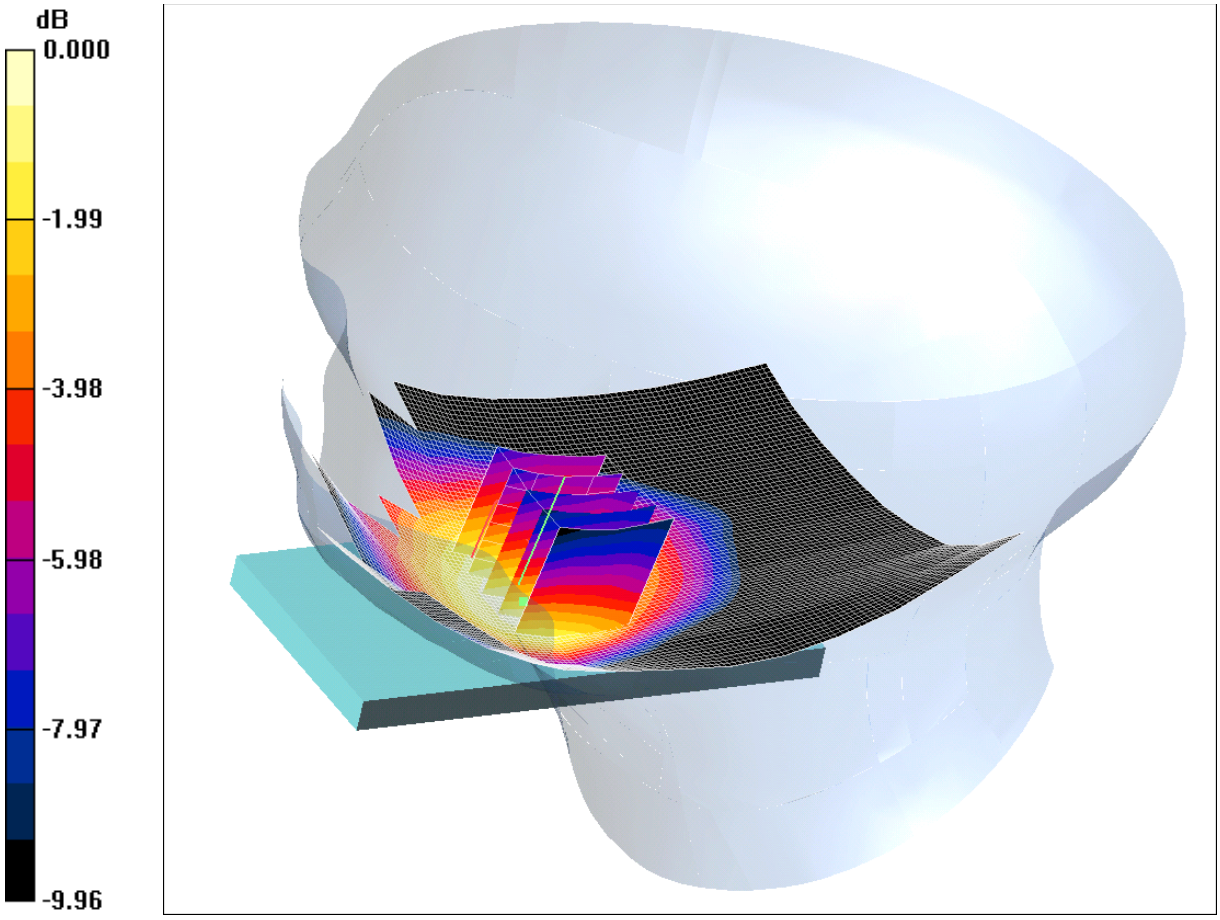


0 dB = 0.251mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.884 mho/m; ε_r = 42.1; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - Middle 2 2 2/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.255 mW/g
Touch Right - Middle 2 2 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.27 V/m; Power Drift = -0.194 dB
Peak SAR (extrapolated) = 0.298 W/kg
SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.175 mW/g
Maximum value of SAR (measured) = 0.251 mW/g

SCN/85011JD03/006: Touch Right EGPRS CH189
Date: 06/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

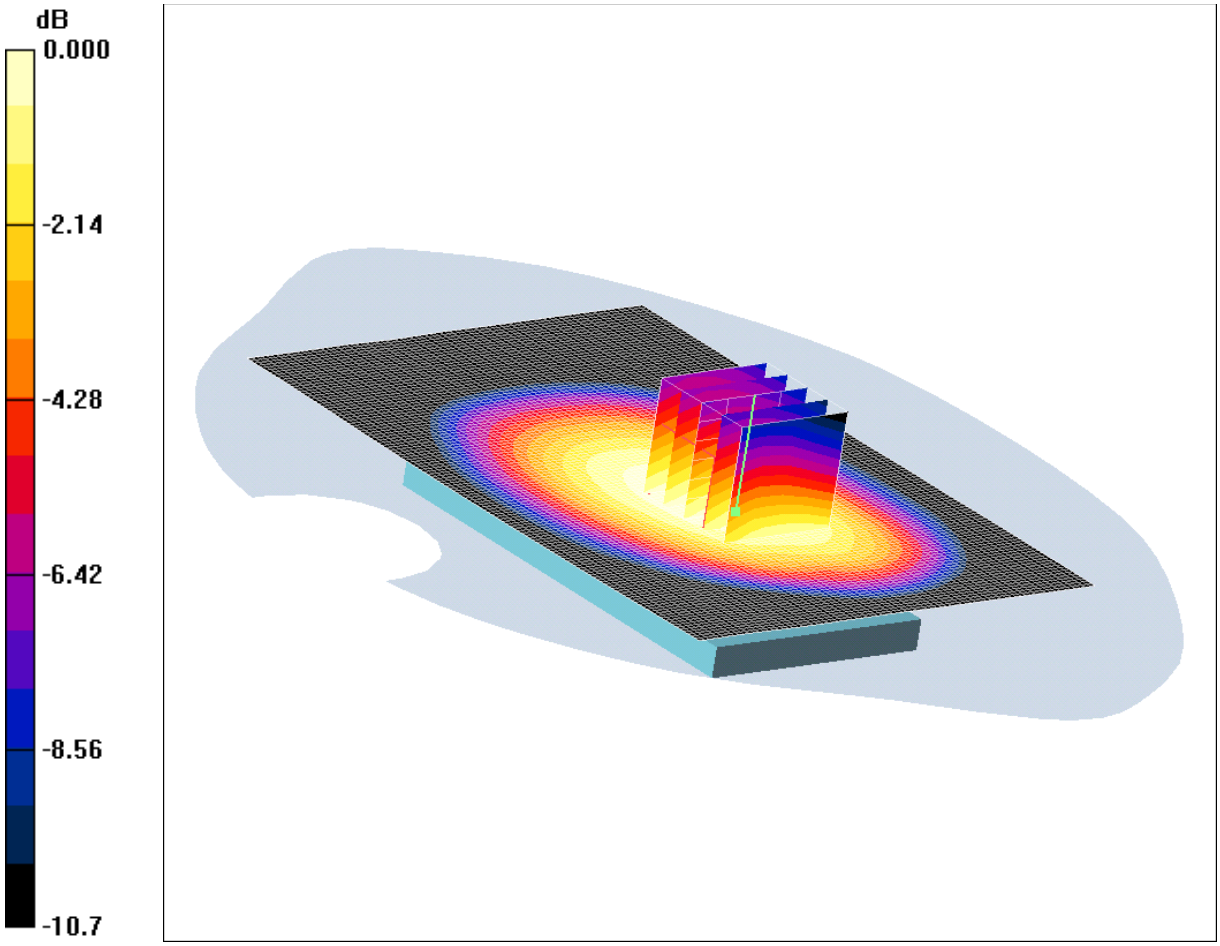


0 dB = 0.244mW/g

Communication System: EGPRS 850 MHz 4TX; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.884 mho/m; ε_r = 42.1; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - Middle 2 2/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.247 mW/g
Touch Right - Middle 2 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.36 V/m; Power Drift = 0.110 dB
Peak SAR (extrapolated) = 0.290 W/kg
SAR(1 g) = 0.230 mW/g; SAR(10 g) = 0.170 mW/g
Maximum value of SAR (measured) = 0.244 mW/g

SCN/85011JD03/007: Front of EUT Facing Phantom Hotspot Mode GPRS CH189
Date: 09/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

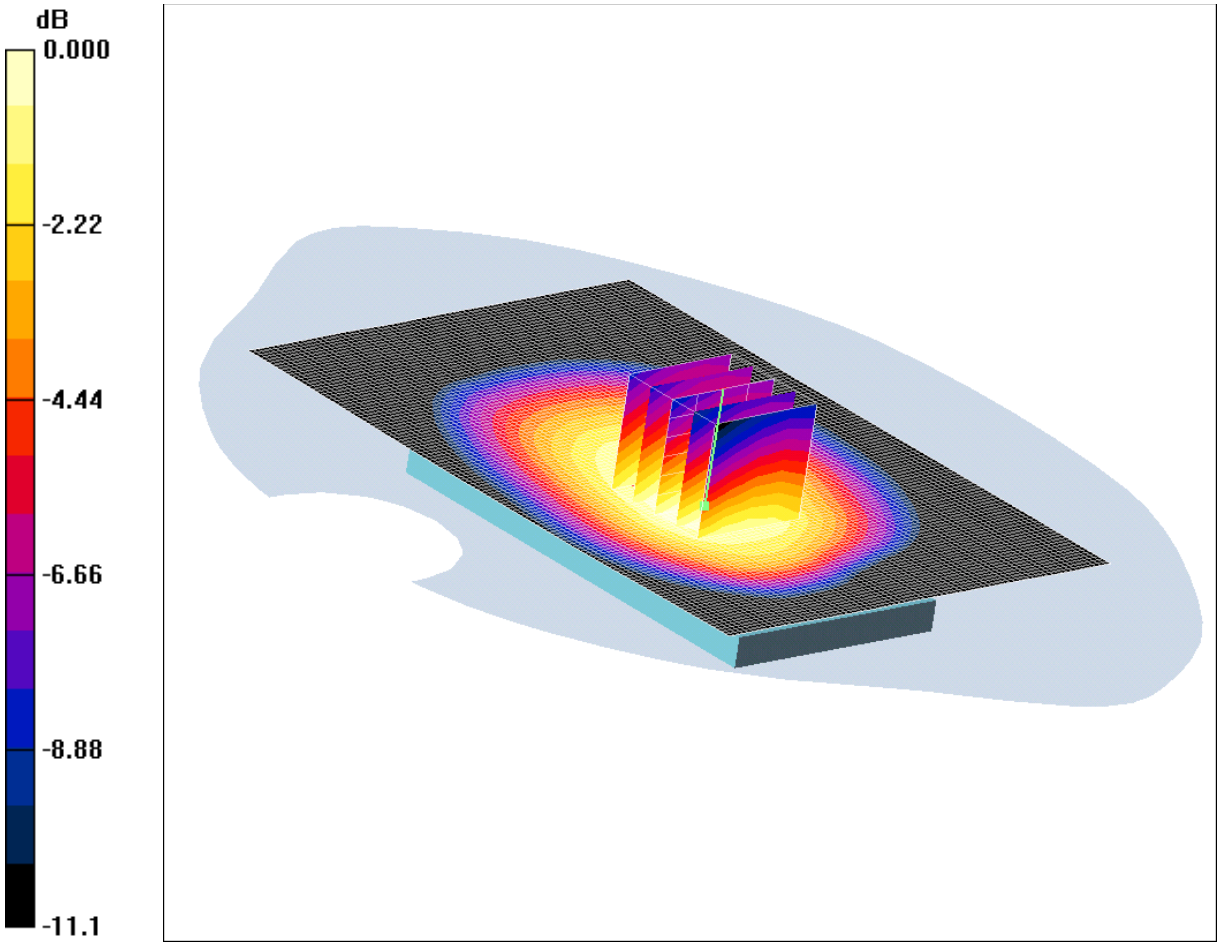


0 dB = 0.443mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 1 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - Middle 2/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.443 mW/g
Front of EUT Facing Phantom - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.1 V/m; Power Drift = -0.031 dB
Peak SAR (extrapolated) = 0.517 W/kg
SAR(1 g) = 0.420 mW/g; SAR(10 g) = 0.318 mW/g
Maximum value of SAR (measured) = 0.443 mW/g

SCN/85011JD03/008: Rear of EUT Facing Phantom Hotspot Mode GPRS CH189
Date: 09/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

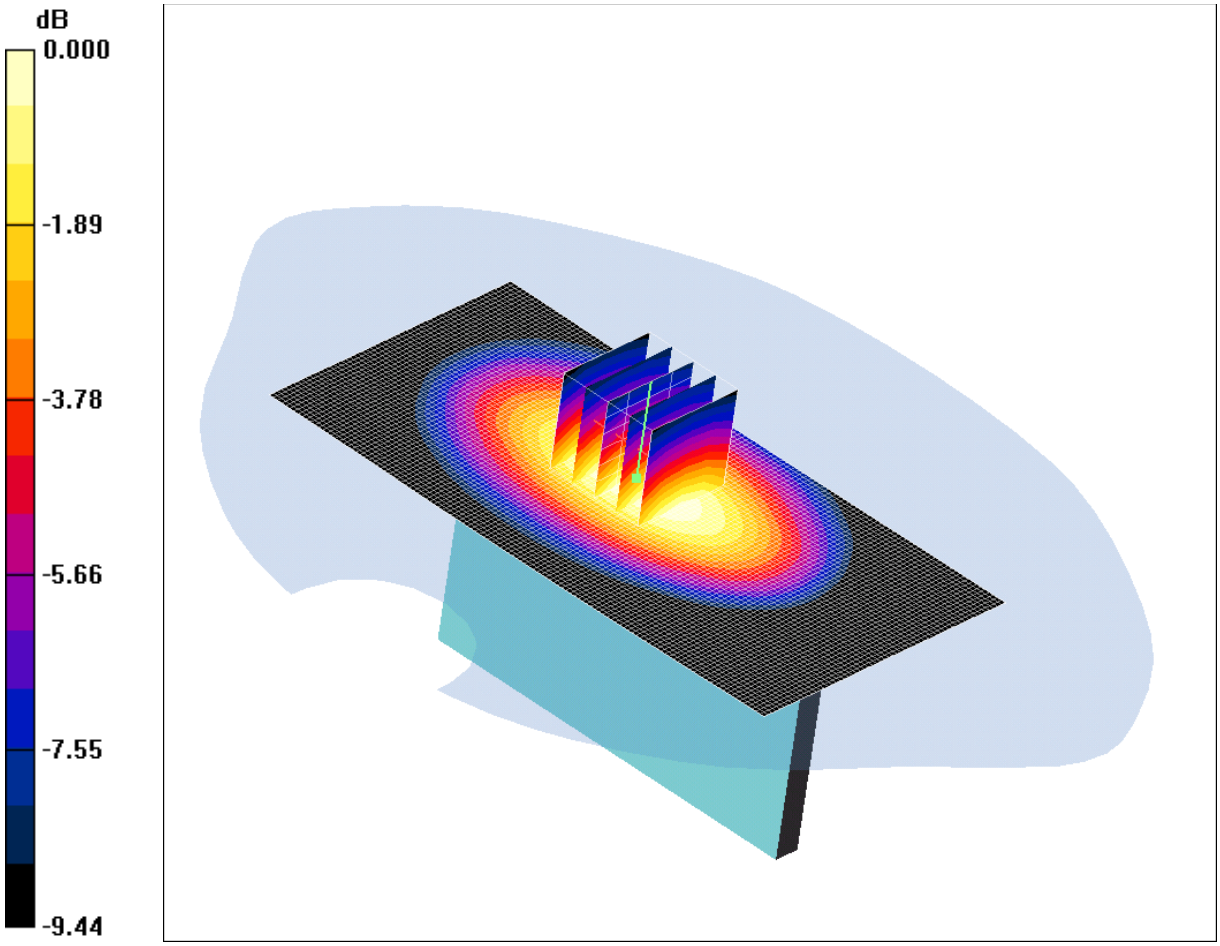


0 dB = 0.471mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 1 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.473 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.2 V/m; Power Drift = 0.044 dB
Peak SAR (extrapolated) = 0.557 W/kg
SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.334 mW/g
Maximum value of SAR (measured) = 0.471 mW/g

SCN/85011JD03/009: Left Hand Side of EUT Facing Phantom Hotspot Mode GPRS CH189
Date: 09/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

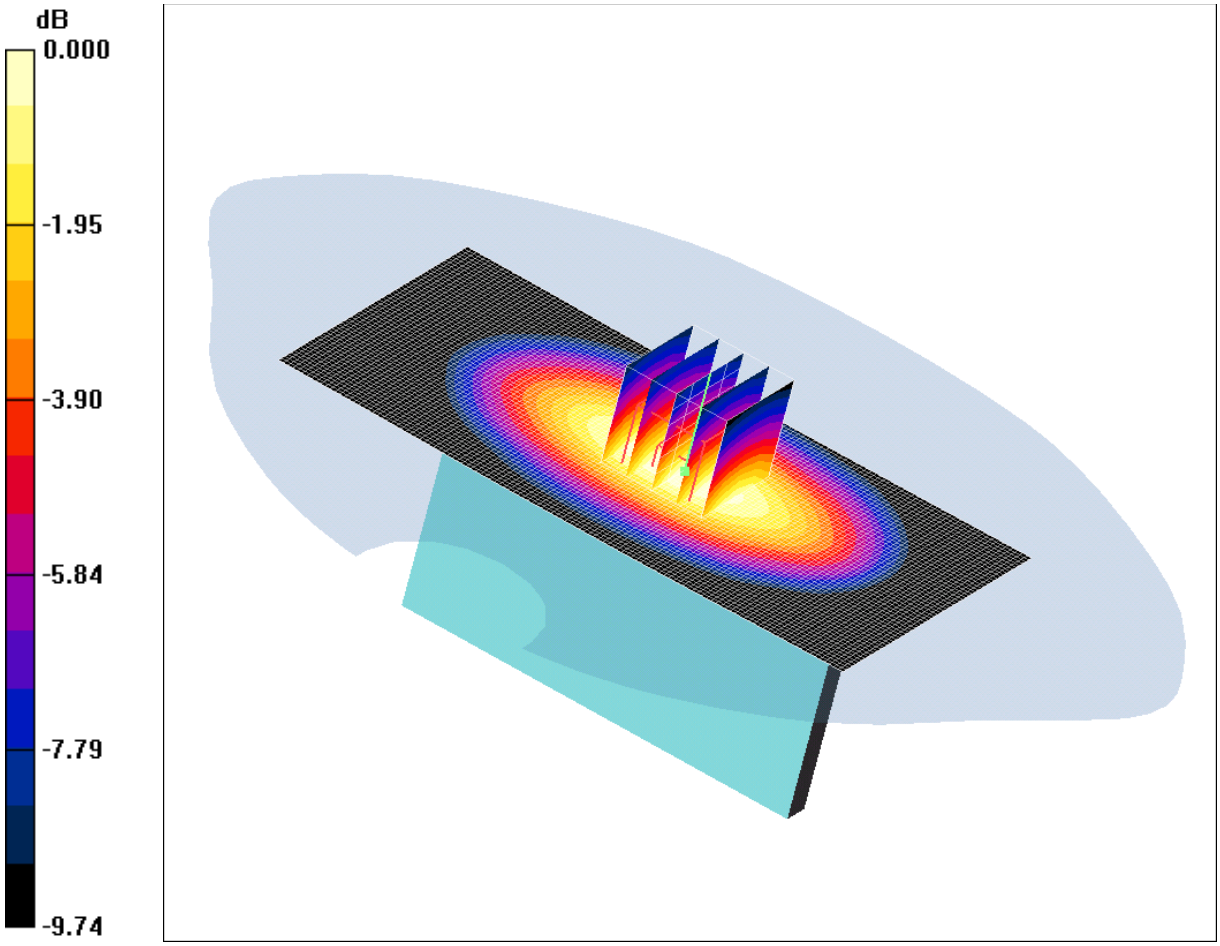


0 dB = 0.392mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 1 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Left Hand Side of EUT Facing Phantom - Middle/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.395 mW/g
Left Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.6 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 0.484 W/kg
SAR(1 g) = 0.367 mW/g; SAR(10 g) = 0.257 mW/g
Maximum value of SAR (measured) = 0.392 mW/g

SCN/85011JD03/010: Right Hand Side of EUT Facing Phantom Hotspot Mode GPRS CH189
Date: 09/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

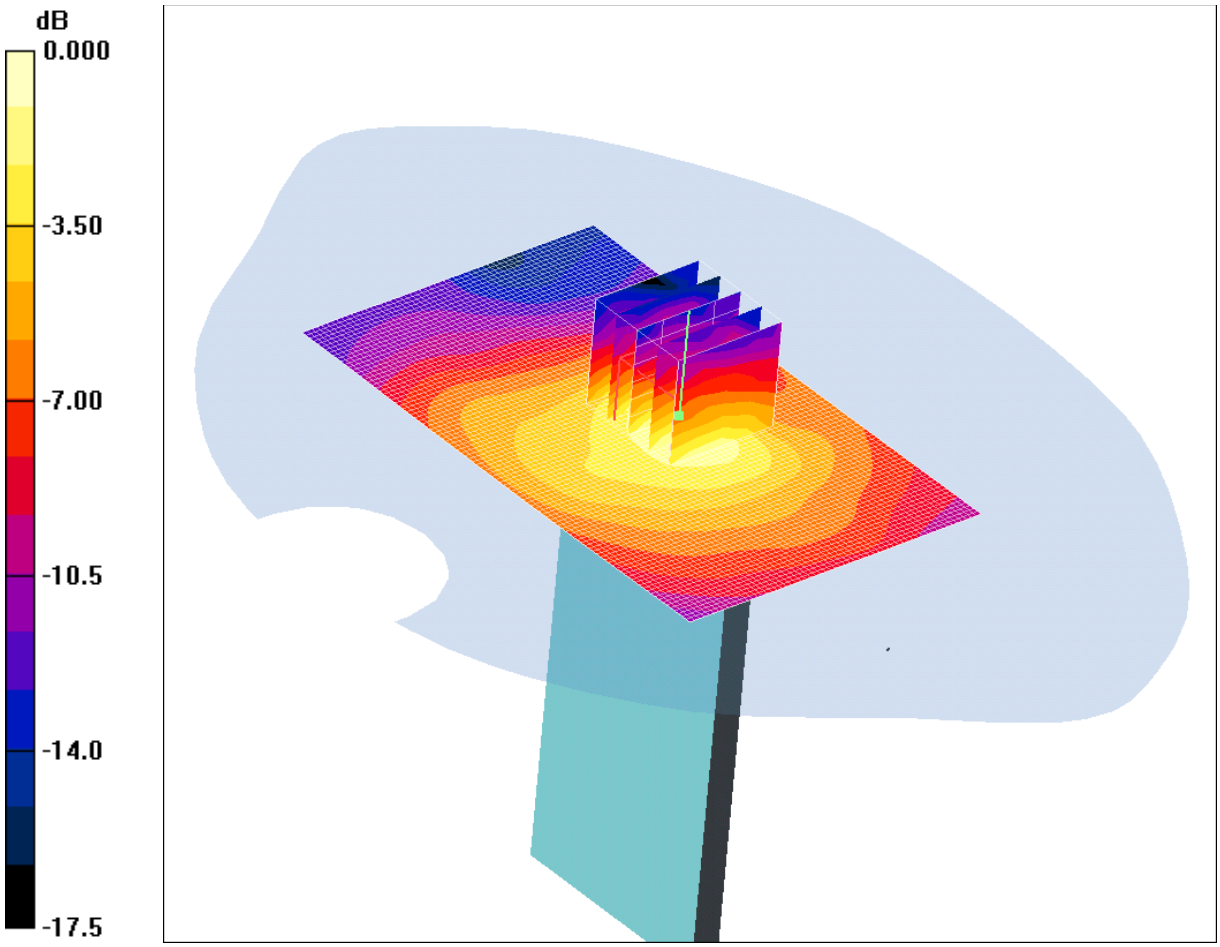


0 dB = 0.357mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 1 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Right Hand Side of EUT Facing Phantom - Middle/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.355 mW/g
Right Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.6 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 0.445 W/kg
SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.230 mW/g
Maximum value of SAR (measured) = 0.357 mW/g

SCN/85011JD03/011: Bottom of EUT Facing Phantom Hotspot Mode GPRS CH189
Date: 10/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

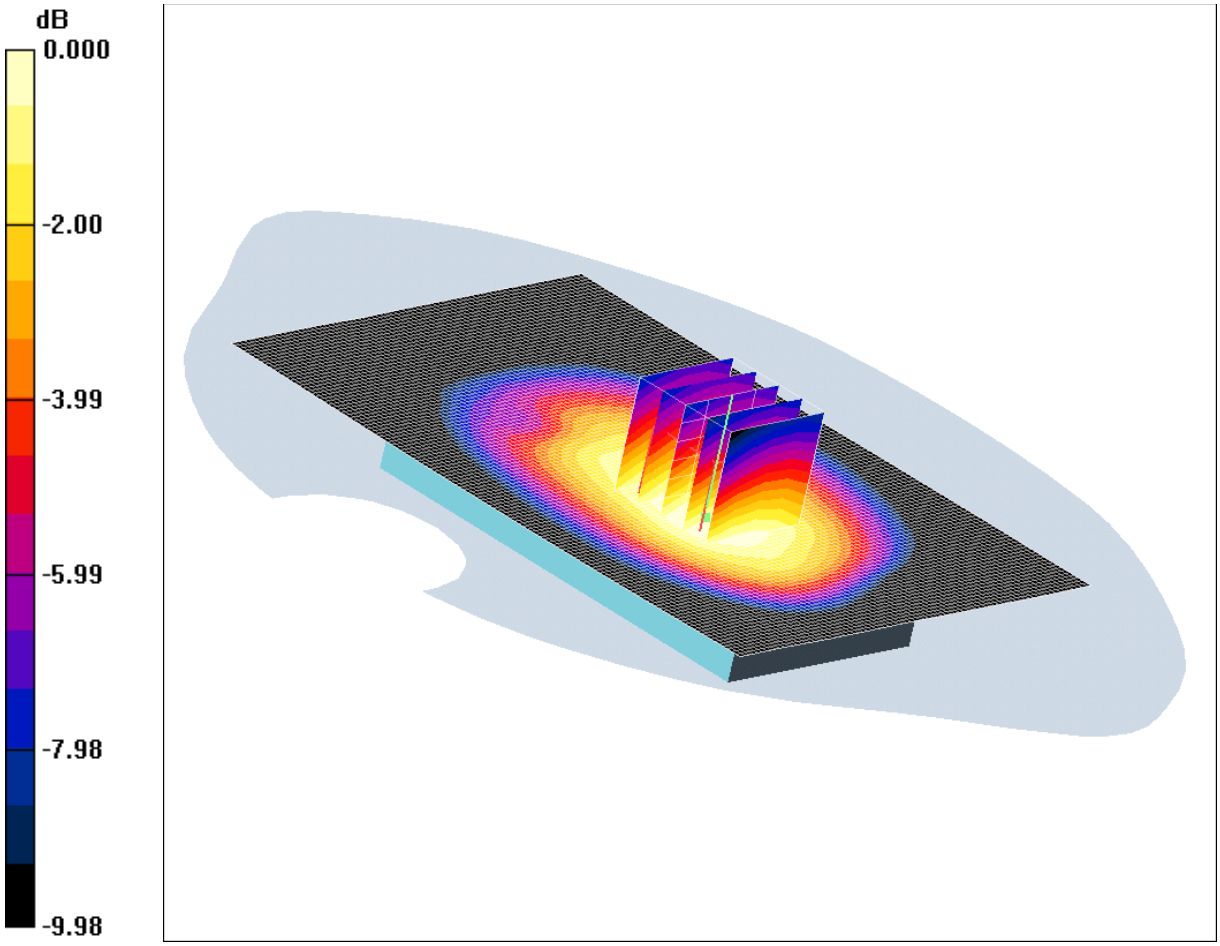


0 dB = 0.072mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 1 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Bottom of EUT Facing Phantom - Middle/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.064 mW/g
Bottom of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.48 V/m; Power Drift = 0.183 dB
Peak SAR (extrapolated) = 0.147 W/kg
SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.035 mW/g
Maximum value of SAR (measured) = 0.072 mW/g

SCN/85011JD03/012: Rear of EUT Facing Phantom Hotspot Mode EGPRS CH189
Date: 10/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

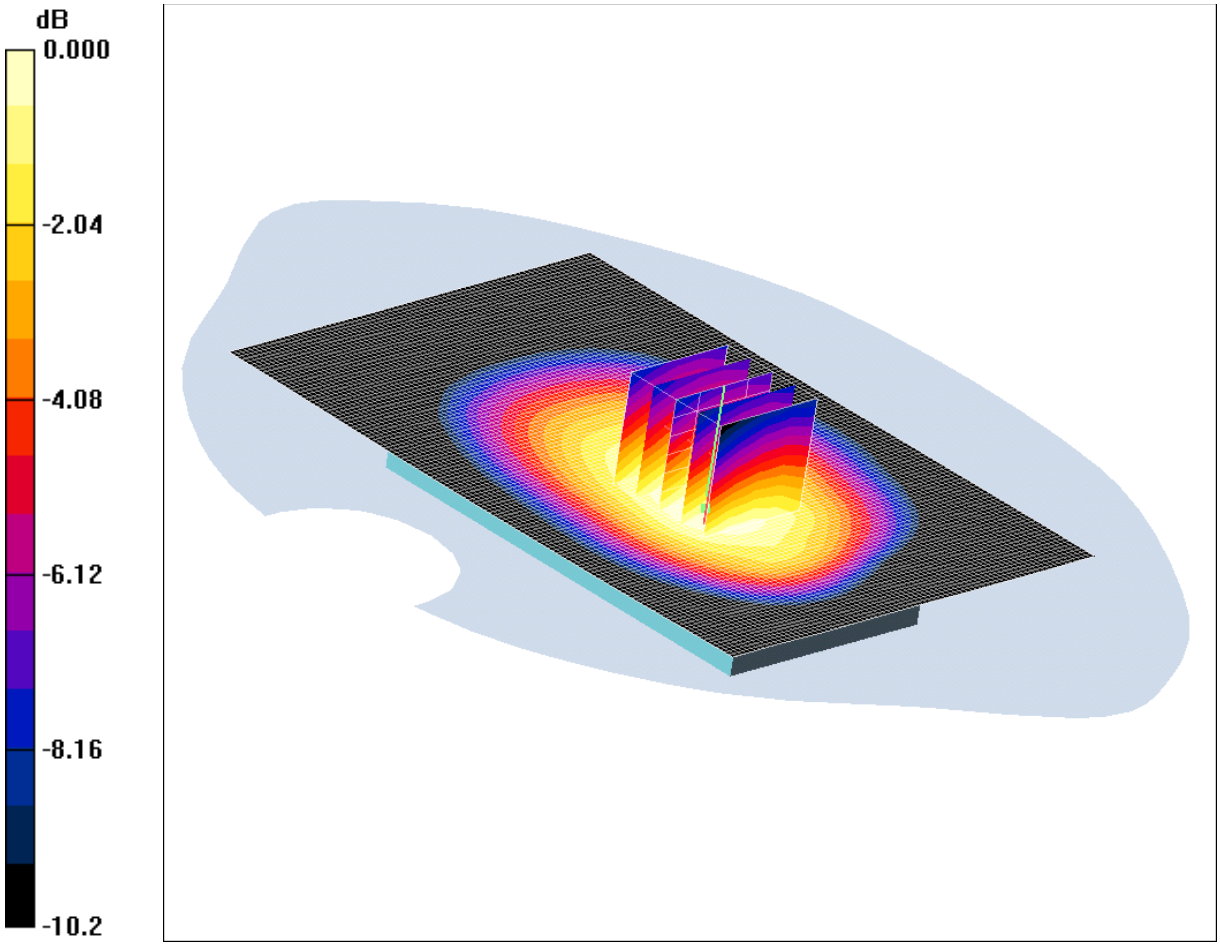


0 dB = 0.470mW/g

Communication System: EGPRS 850 MHz 4TX; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 1 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.478 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.2 V/m; Power Drift = -0.067 dB
Peak SAR (extrapolated) = 0.553 W/kg
SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.333 mW/g
Maximum value of SAR (measured) = 0.470 mW/g

SCN/85011JD03/013: Rear of EUT Facing Phantom Hotspot Mode GSM CH189
Date: 10/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

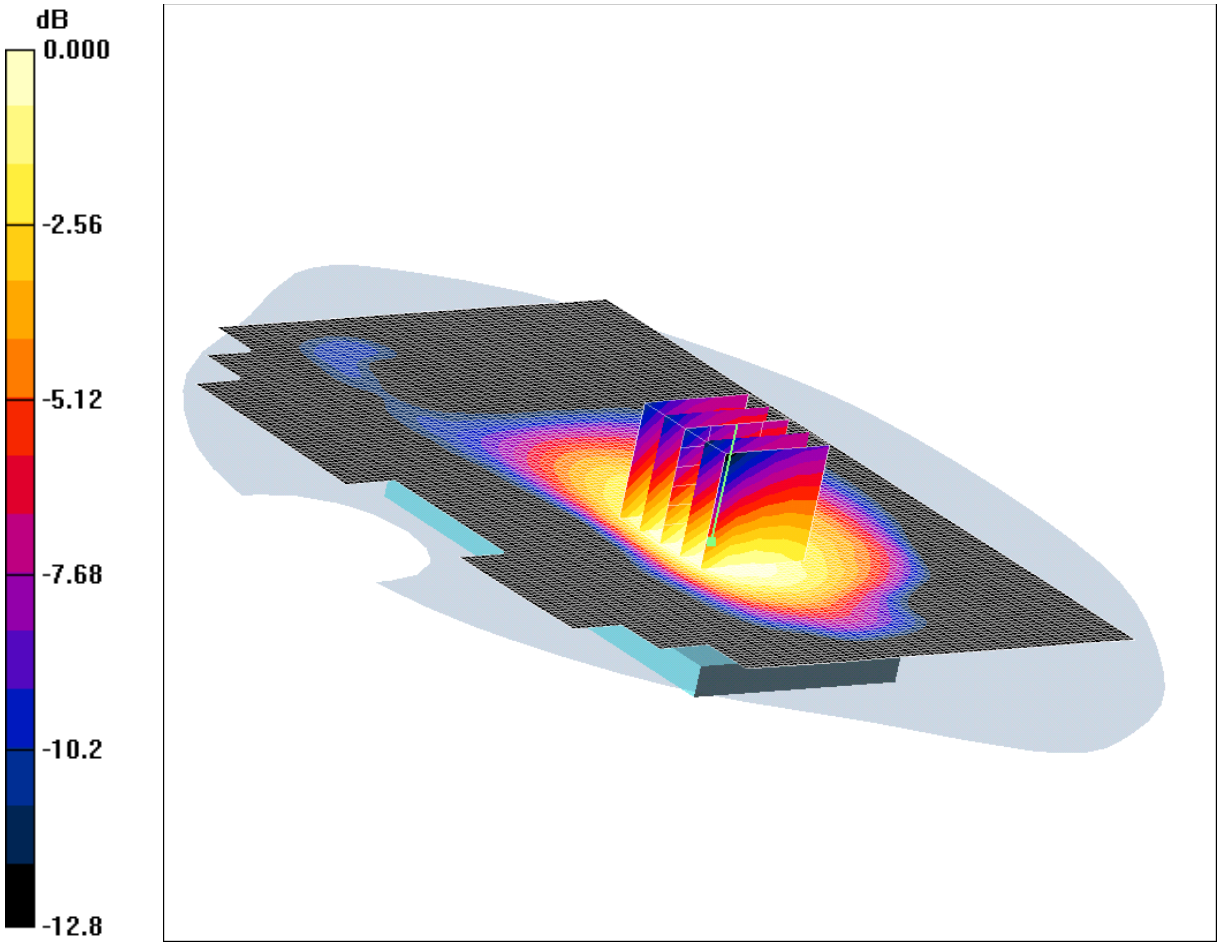


0 dB = 0.419mW/g

Communication System: GSM 850 MHz; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 1 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.425 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.0 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 0.499 W/kg
SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.295 mW/g
Maximum value of SAR (measured) = 0.419 mW/g

SCN/85011JD03/014: Rear of EUT Facing Phantom Hotspot Mode with PHF GPRS CH189
Date: 11/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

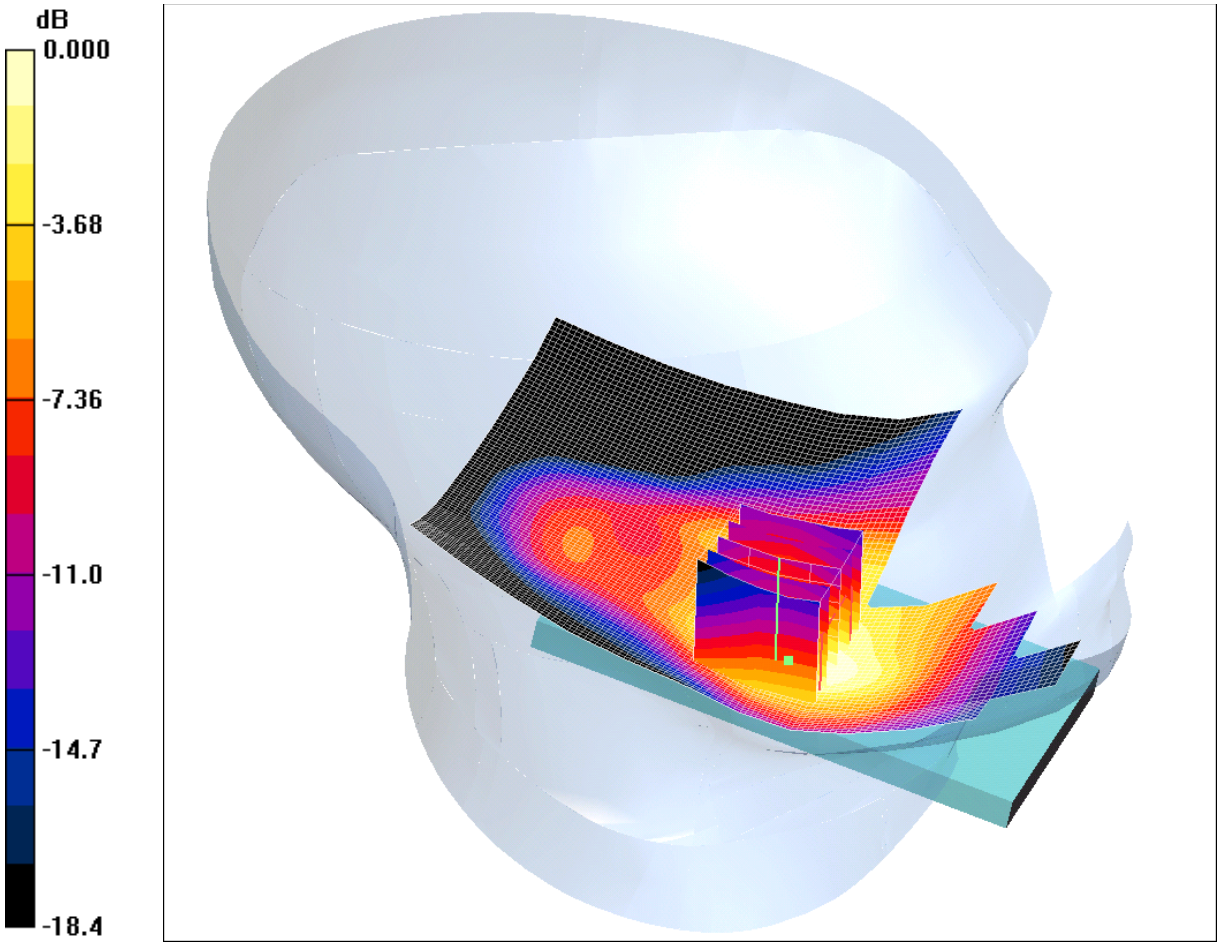


0 dB = 0.509mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 1.01 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (101x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.532 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.2 V/m; Power Drift = -0.069 dB
Peak SAR (extrapolated) = 0.625 W/kg
SAR(1 g) = 0.482 mW/g; SAR(10 g) = 0.344 mW/g
Maximum value of SAR (measured) = 0.509 mW/g

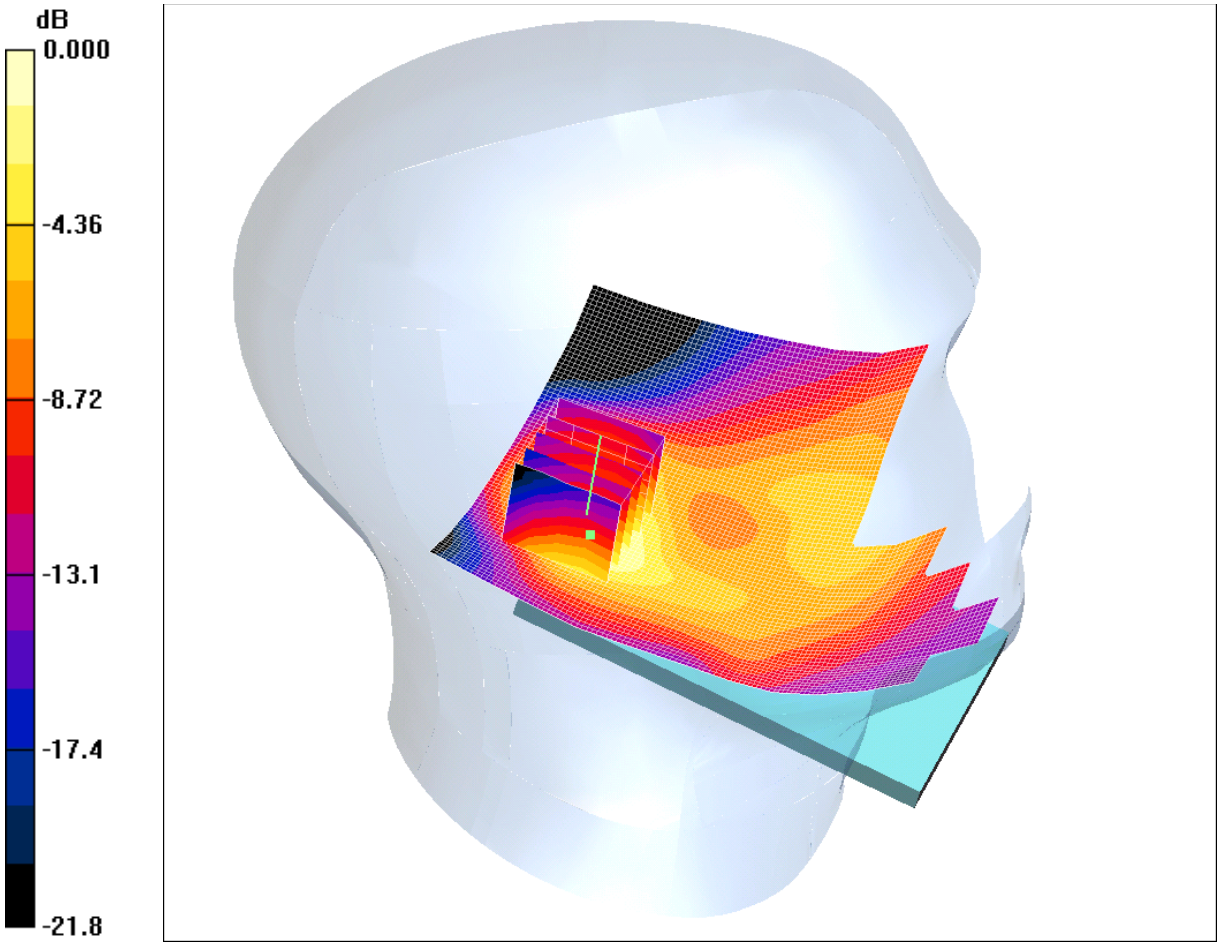
SCN/85011JD03/015: Touch Left PCS CH660
Date 11/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078



0 dB = 0.505mW/g

Communication System: PCS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.44 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Touch Left - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.557 mW/g
Touch Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.95 V/m; Power Drift = 0.187 dB
Peak SAR (extrapolated) = 0.738 W/kg
SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.297 mW/g
Maximum value of SAR (measured) = 0.505 mW/g

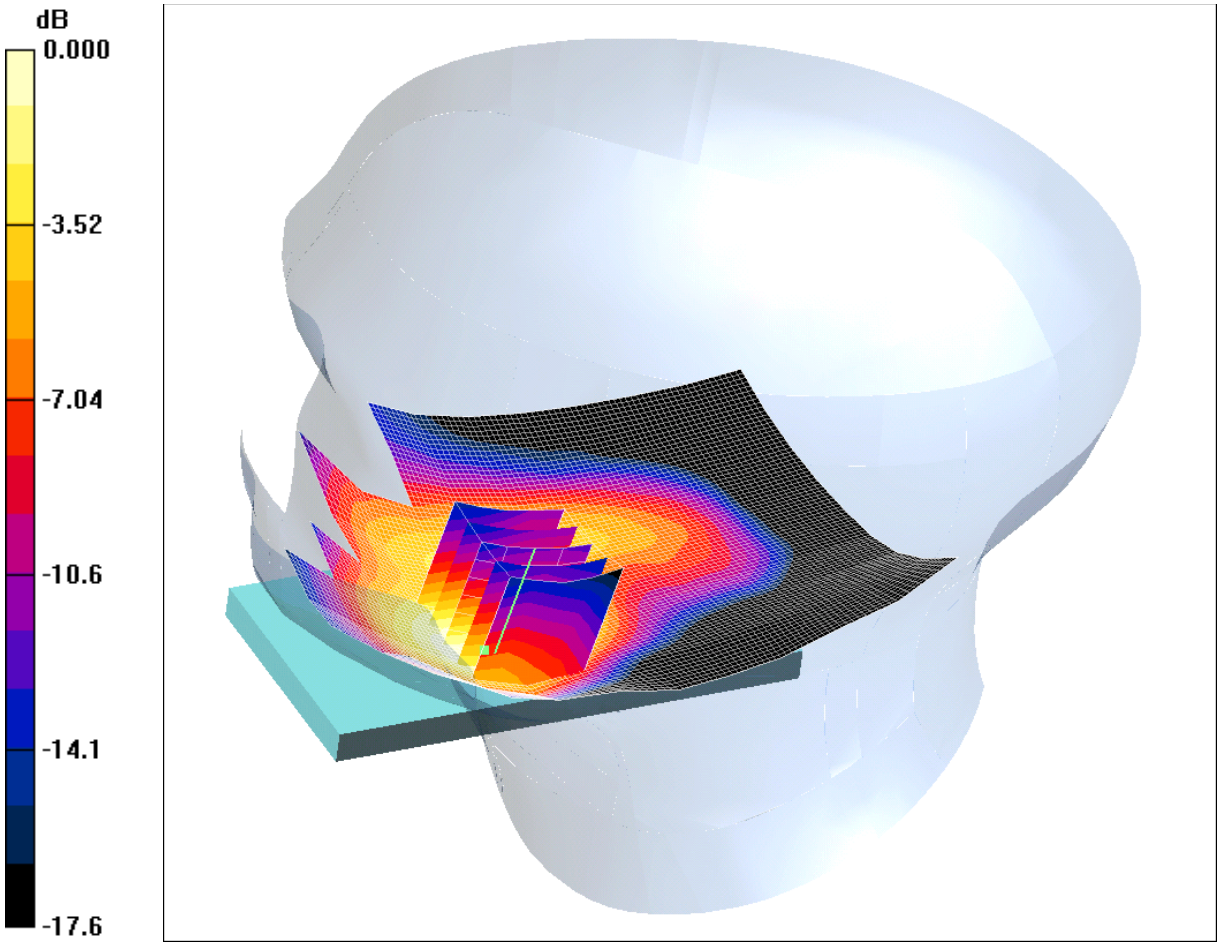
SCN/85011JD03/016: Tilt Left PCS CH660
Date 11/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078



0 dB = 0.208mW/g

Communication System: PCS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.44 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Tilt Left - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.219 mW/g
Tilt Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.3 V/m; Power Drift = -0.034 dB
Peak SAR (extrapolated) = 0.293 W/kg
SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.112 mW/g
Maximum value of SAR (measured) = 0.208 mW/g

SCN/85011JD03/017: Touch Right PCS CH660
Date: 11/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

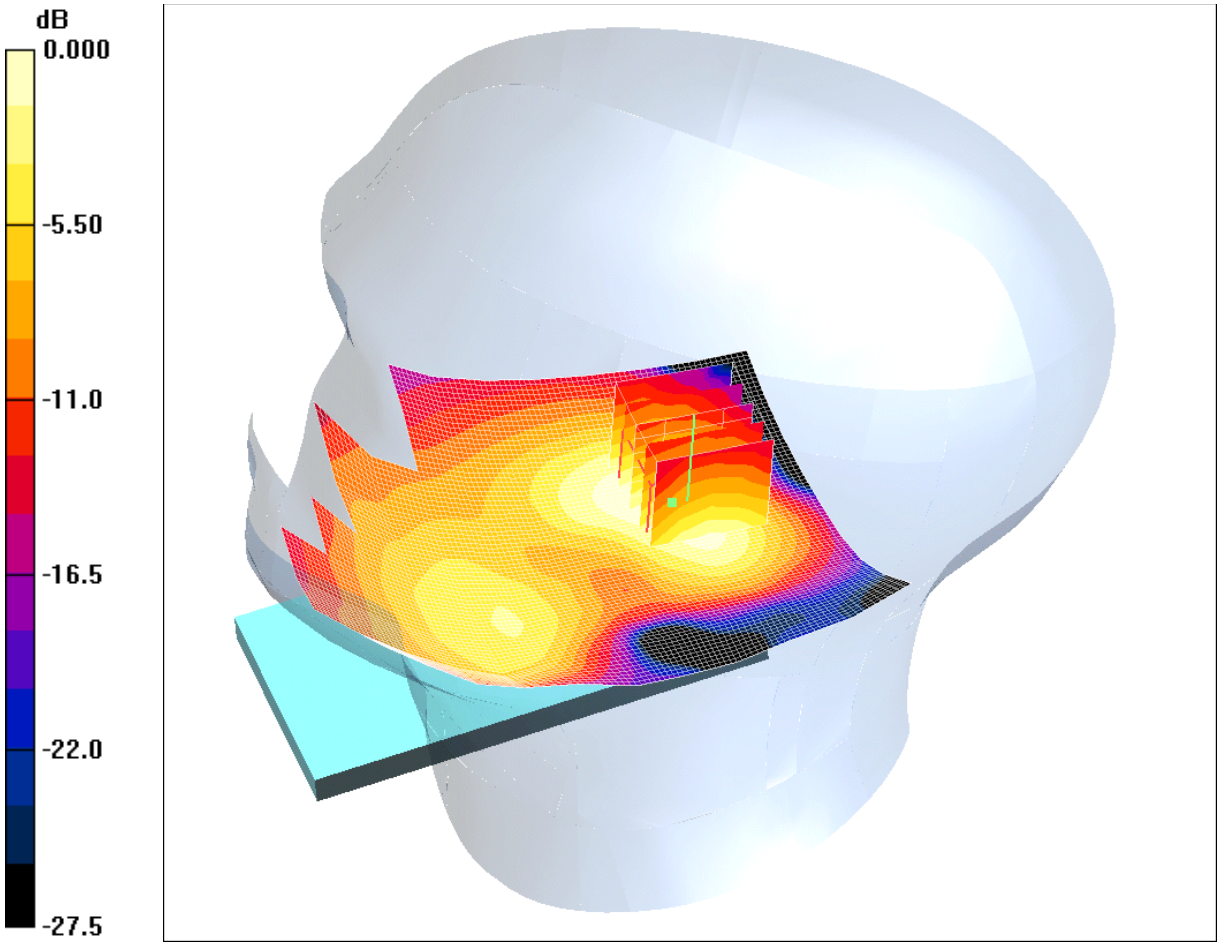


0 dB = 0.548mW/g

Communication System: PCS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.44 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.582 mW/g
Touch Right - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.57 V/m; Power Drift = 0.153 dB
Peak SAR (extrapolated) = 0.817 W/kg
SAR(1 g) = 0.519 mW/g; SAR(10 g) = 0.312 mW/g
Maximum value of SAR (measured) = 0.548 mW/g

SCN/85011JD03/018: Tilt Right PCS CH660
Date: 11/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

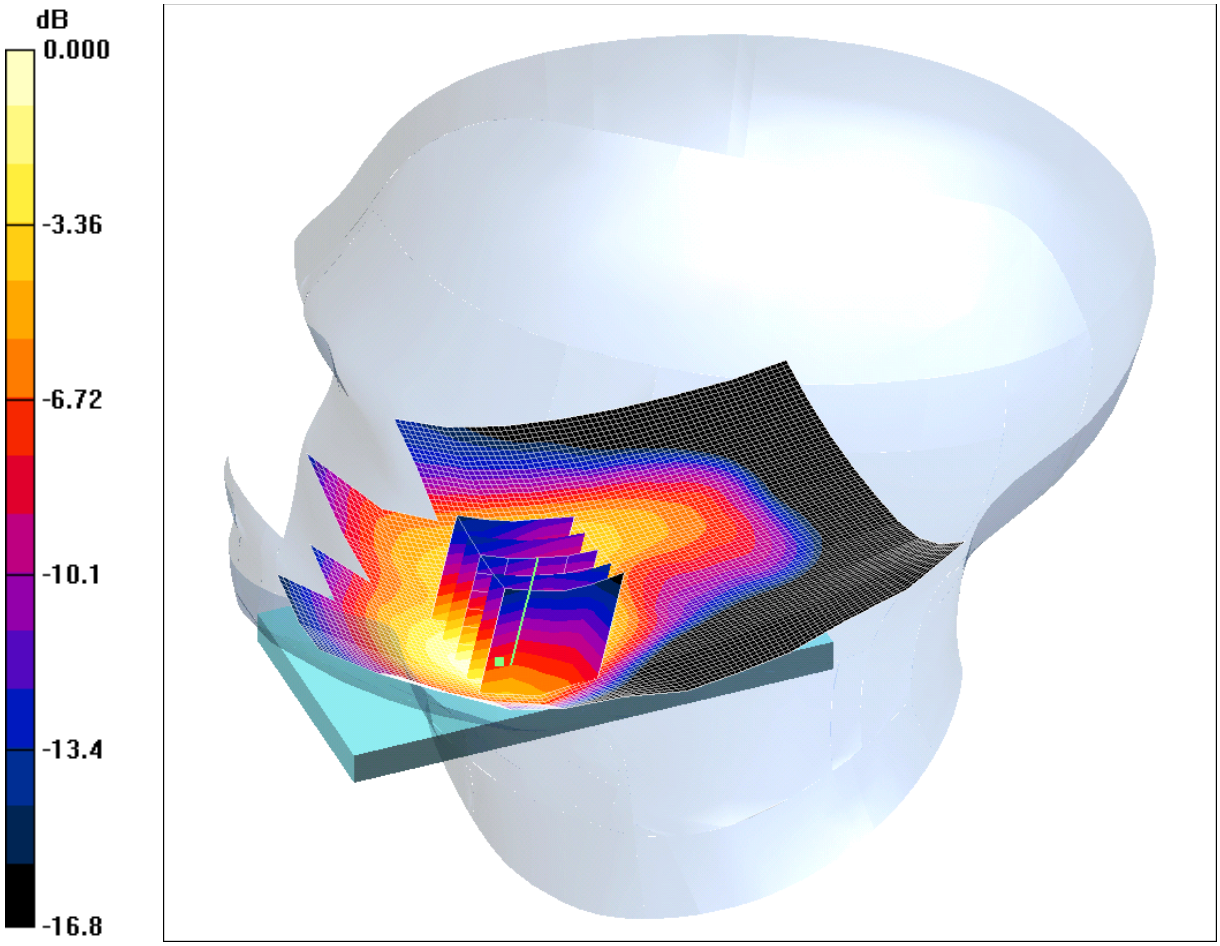


0 dB = 0.218mW/g

Communication System: PCS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.44 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Right - Middle 2/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.256 mW/g
Tilt Right - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.6 V/m; Power Drift = 0.124 dB
Peak SAR (extrapolated) = 0.330 W/kg
SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.121 mW/g
Maximum value of SAR (measured) = 0.218 mW/g

SCN/85011JD03/019: Touch Right GPRS CH660
Date: 11/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

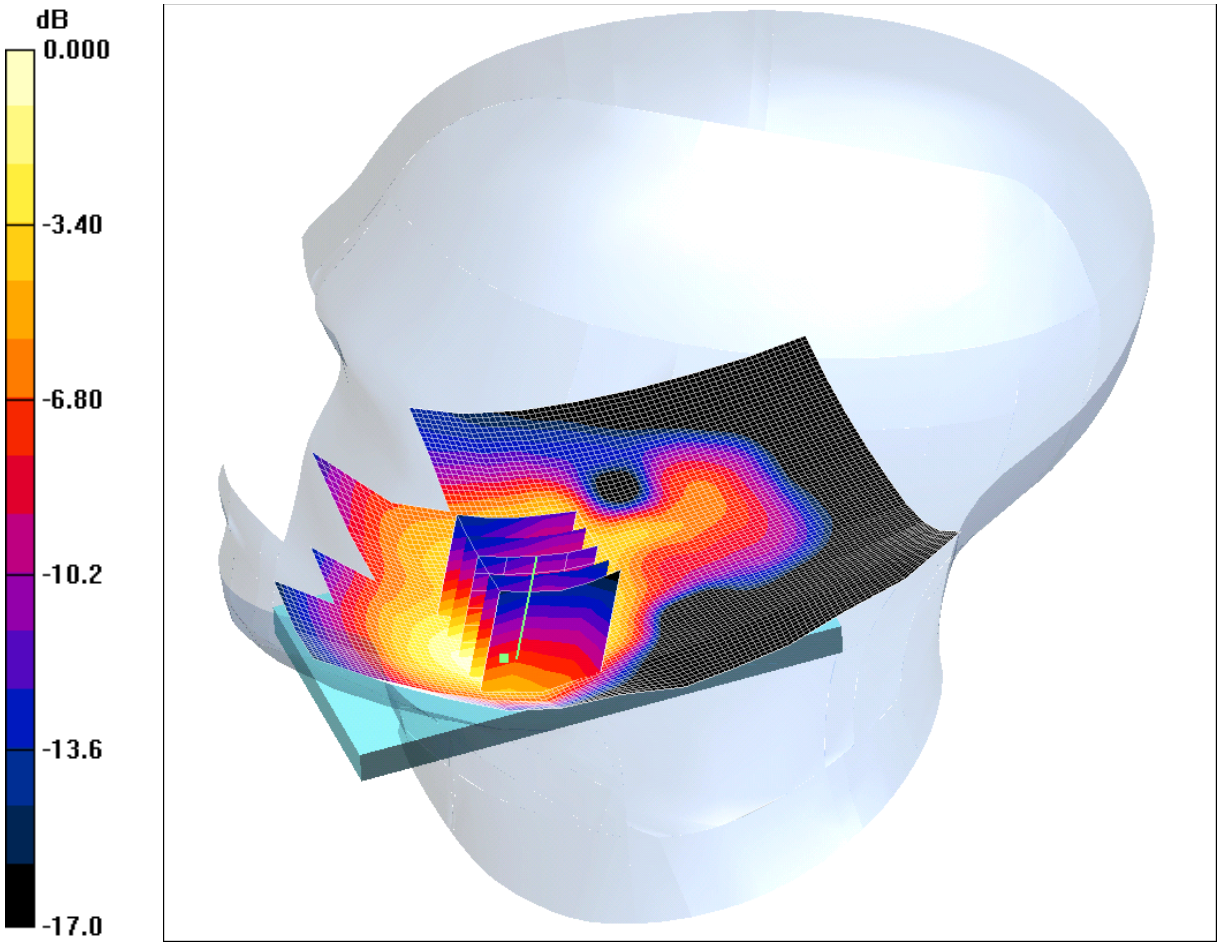


0 dB = 0.662mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1879.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.44 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.661 mW/g
Touch Right - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.36 V/m; Power Drift = 0.012 dB
Peak SAR (extrapolated) = 0.965 W/kg
SAR(1 g) = 0.613 mW/g; SAR(10 g) = 0.371 mW/g
Maximum value of SAR (measured) = 0.662 mW/g

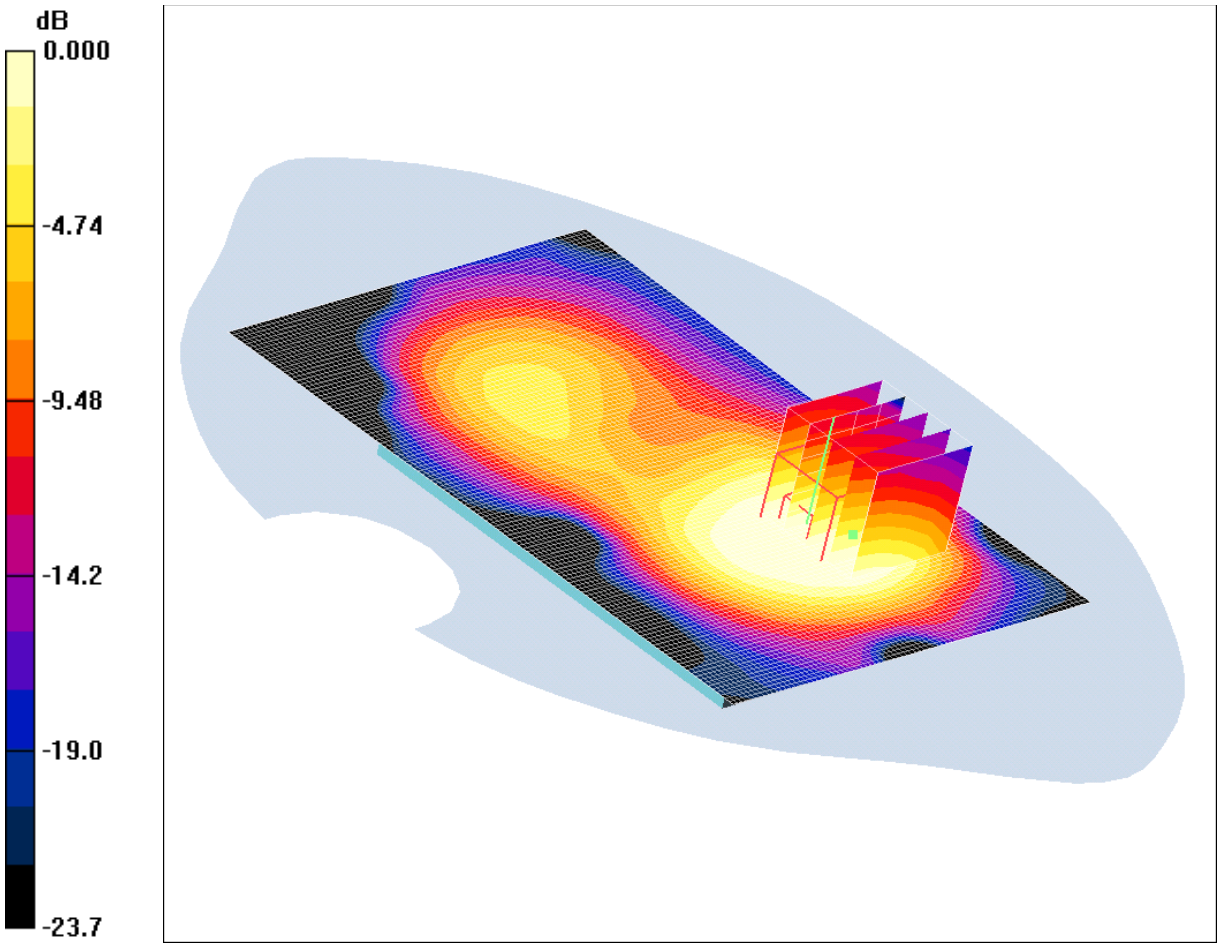
SCN/85011JD03/020: Touch Right EGPRS CH660
Date: 11/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078



0 dB = 0.661mW/g

Communication System: EGPRS 1900 4Tx; Frequency: 1879.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.44 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Touch Right - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.663 mW/g
Touch Right - Middle/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.31 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.949 W/kg
SAR(1 g) = 0.611 mW/g; SAR(10 g) = 0.370 mW/g
Maximum value of SAR (measured) = 0.661 mW/g

SCN/85011JD03/021: Front of EUT Facing Phantom Hotspot Mode GPRS CH660
Date: 12/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

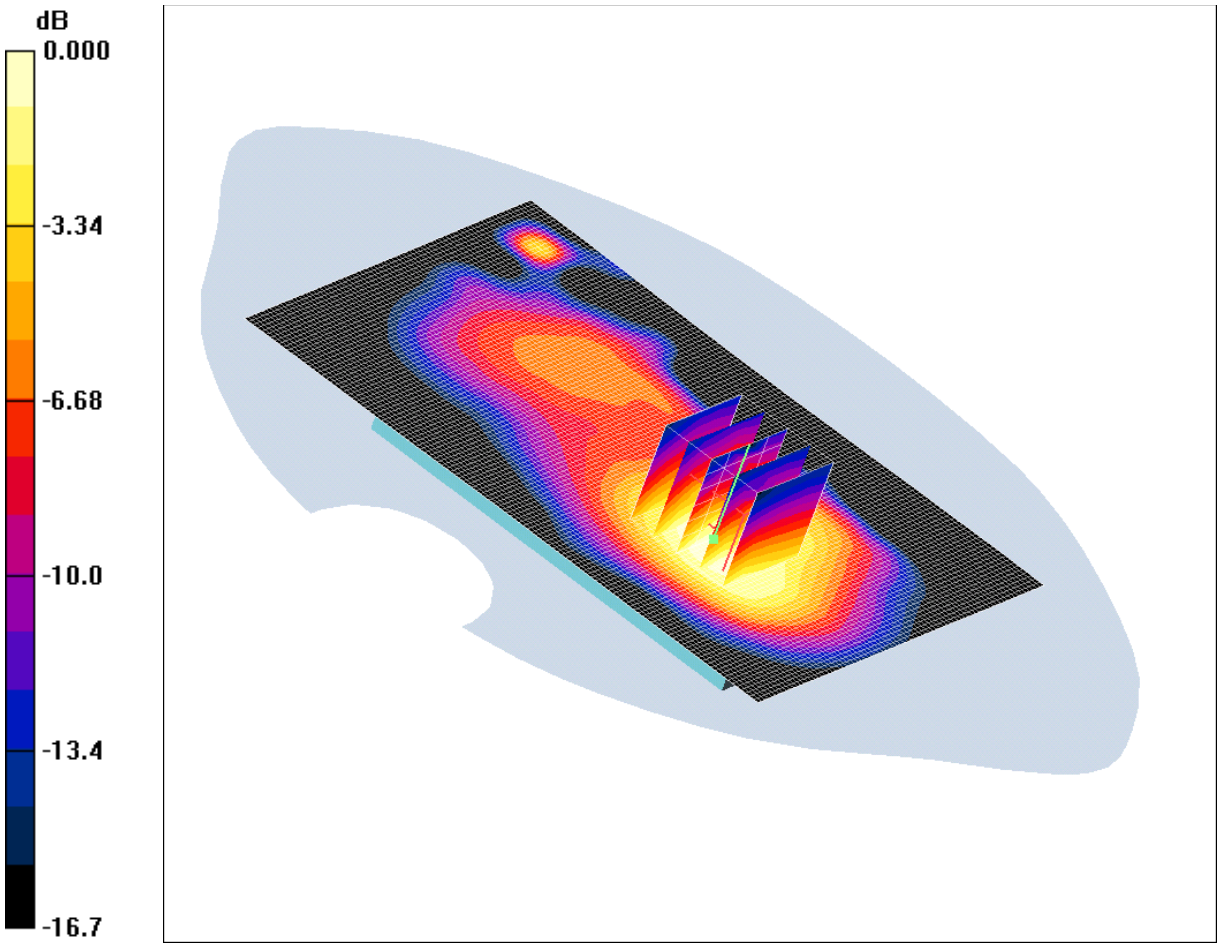


0 dB = 0.666mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1879.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.57 mho/m; ε_r = 51.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.716 mW/g
Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.3 V/m; Power Drift = -0.009 dB
Peak SAR (extrapolated) = 0.956 W/kg
SAR(1 g) = 0.615 mW/g; SAR(10 g) = 0.385 mW/g
Maximum value of SAR (measured) = 0.666 mW/g

SCN/85011JD03/022: Rear of EUT Facing Phantom Hotspot Mode GPRS CH660
Date: 12/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

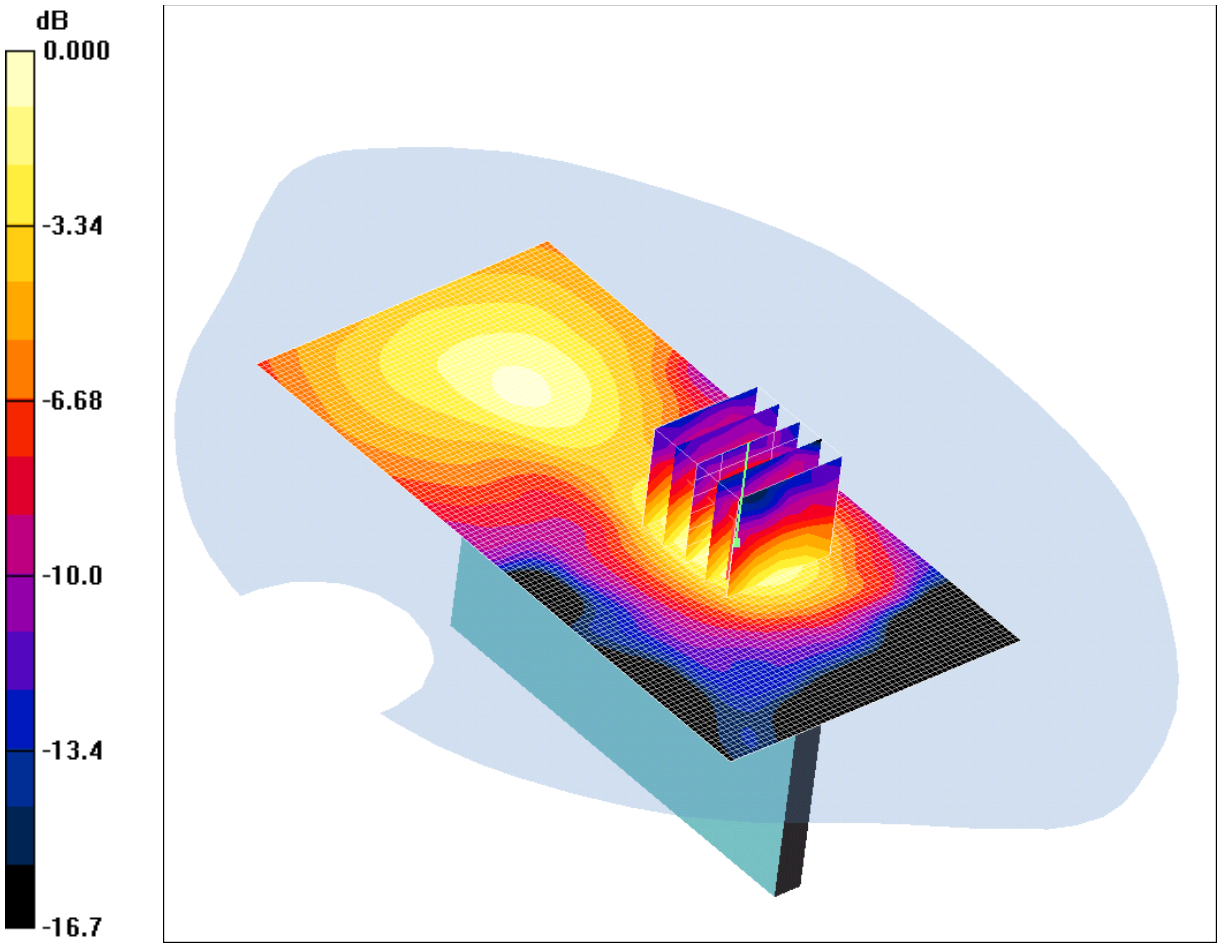


0 dB = 0.673mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1879.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.57 mho/m; ε_r = 51.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.665 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.95 V/m; Power Drift = 0.048 dB
Peak SAR (extrapolated) = 0.935 W/kg
SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.374 mW/g
Maximum value of SAR (measured) = 0.673 mW/g

SCN/85011JD03/023: Left Hand Side of EUT Facing Phantom Hotspot Mode GPRS CH660
Date: 13/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

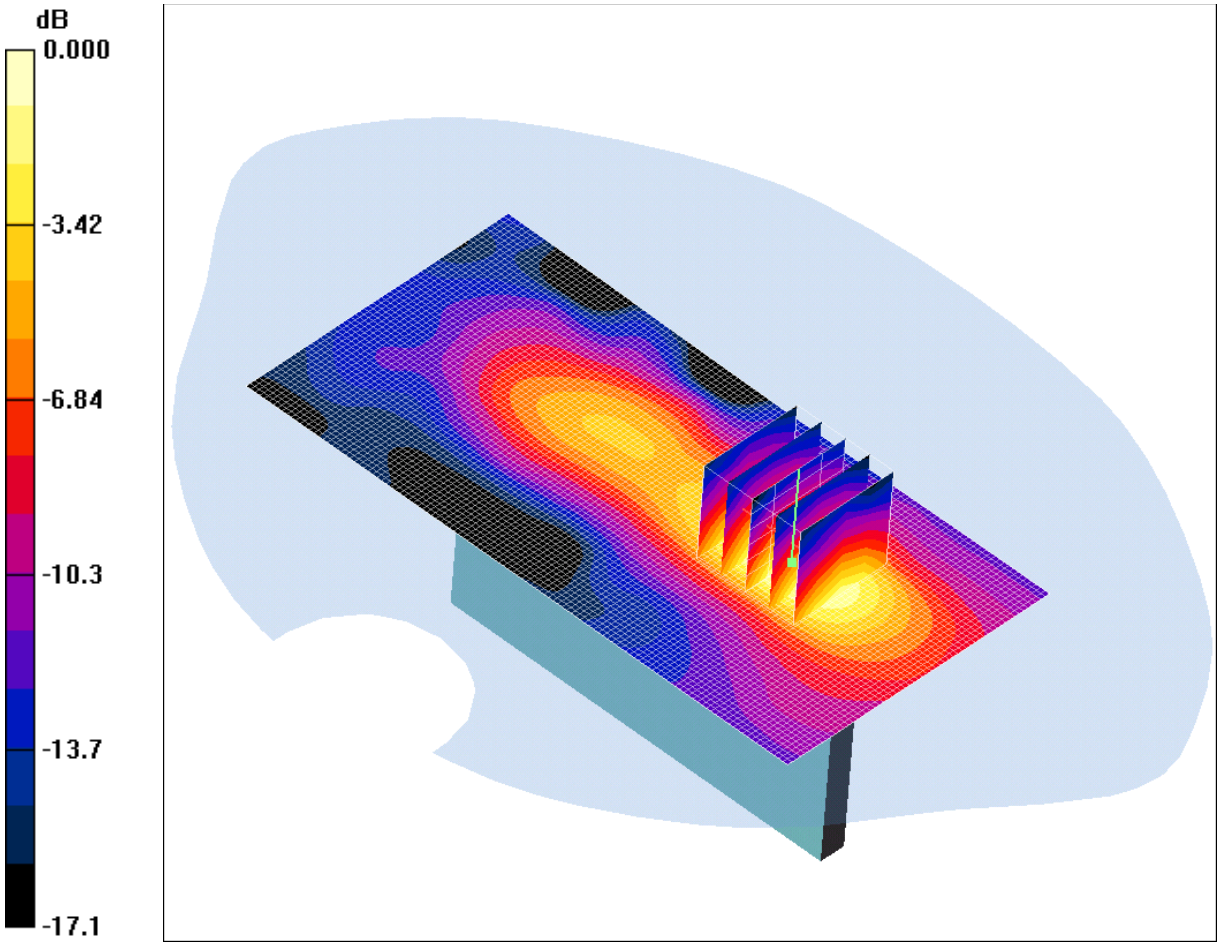


0 dB = 0.113mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1879.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.57 mho/m; ε_r = 51.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Left Hand Side of EUT Facing Phantom - Middle/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.110 mW/g
Left Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.94 V/m; Power Drift = 0.099 dB
Peak SAR (extrapolated) = 0.160 W/kg
SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.063 mW/g
Maximum value of SAR (measured) = 0.113 mW/g

SCN/85011JD03/024: Right Hand Side of EUT Facing Phantom Hotspot Mode GPRS CH660
Date: 13/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

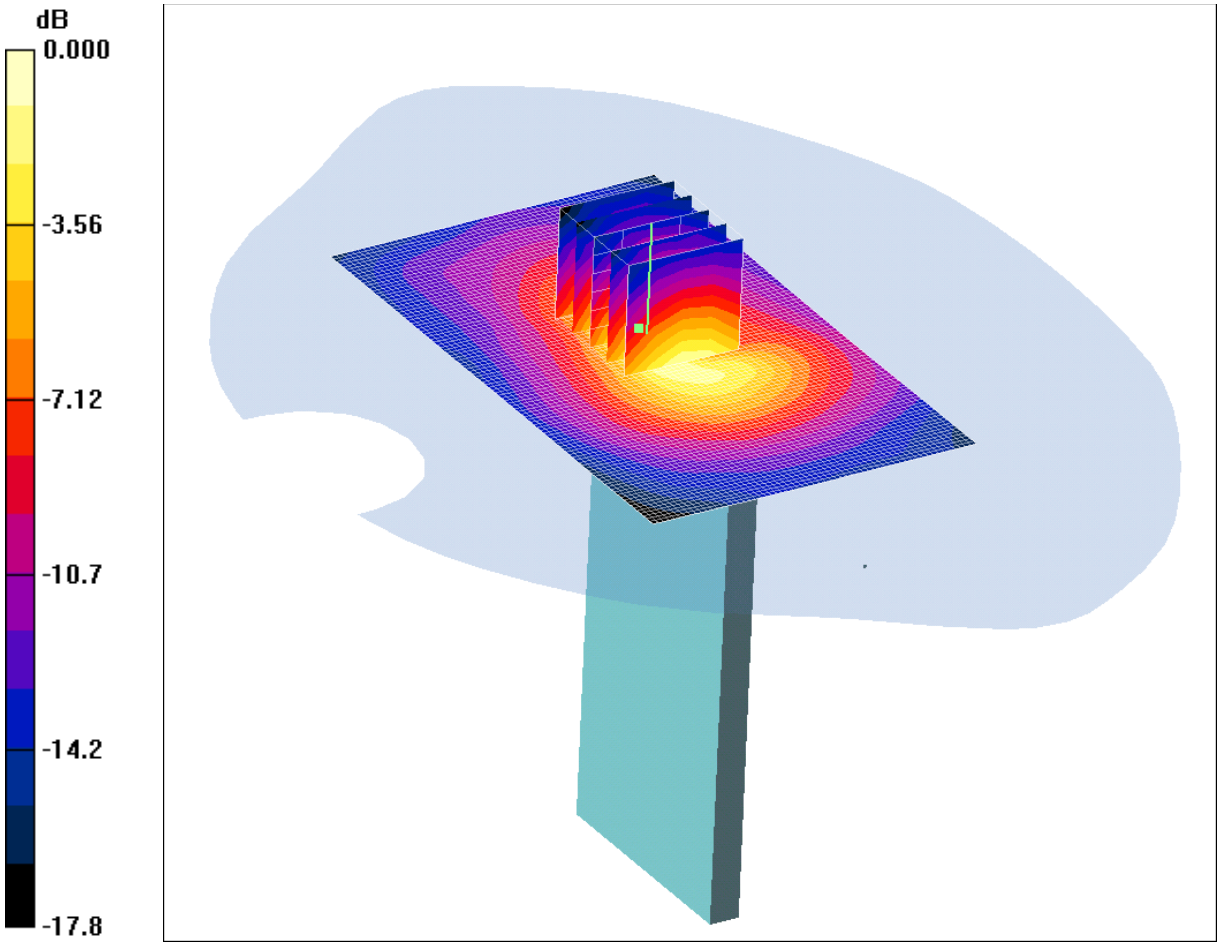


0 dB = 0.257mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1879.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.57 mho/m; ε_r = 51.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Right Hand Side of EUT Facing Phantom - Middle/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.261 mW/g
Right Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.03 V/m; Power Drift = 0.148 dB
Peak SAR (extrapolated) = 0.410 W/kg
SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.128 mW/g
Maximum value of SAR (measured) = 0.257 mW/g

SCN/85011JD03/025: Bottom of EUT Facing Phantom Hotspot Mode GPRS CH660
Date 13/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

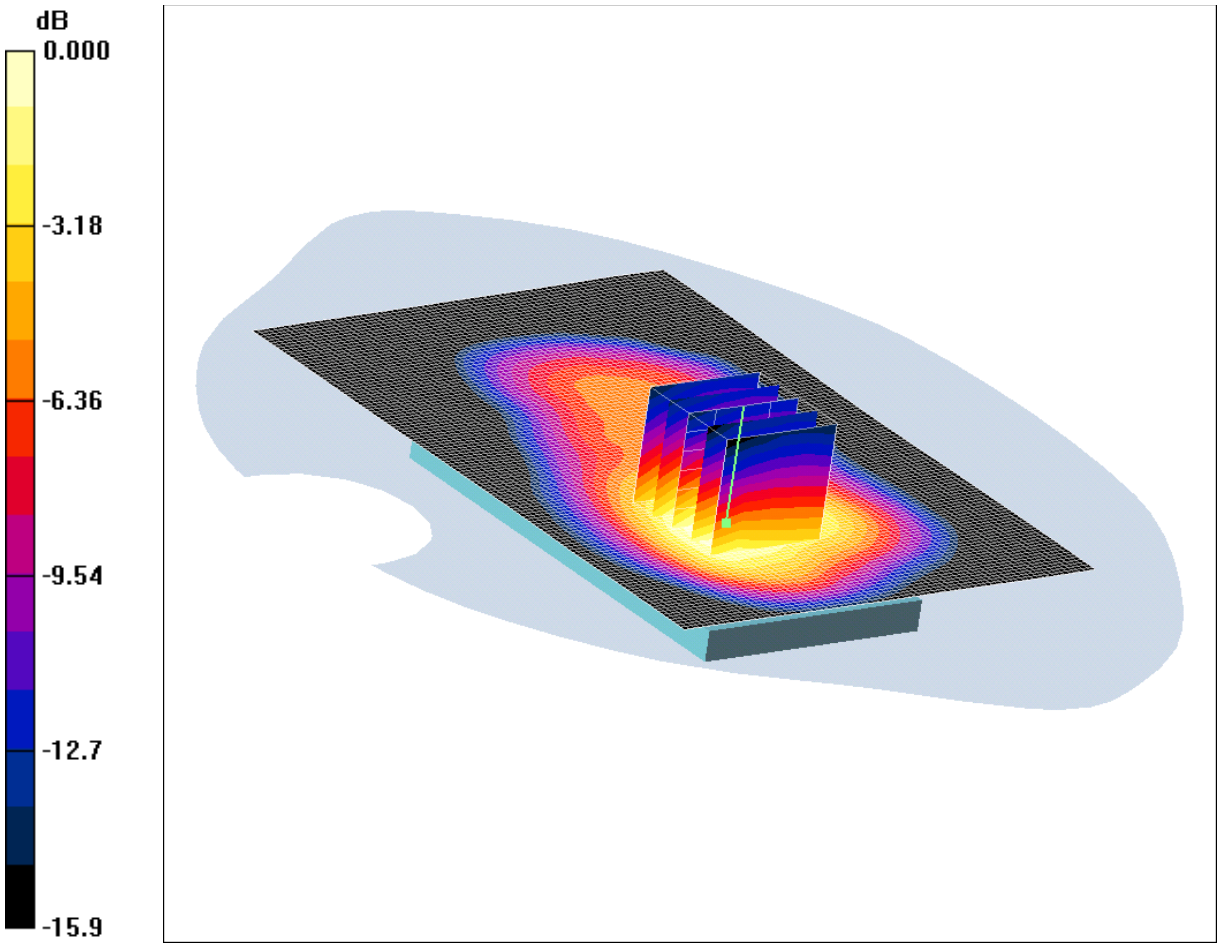


0 dB = 0.430mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1879.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.57 mho/m; ε_r = 51.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Bottom of EUT Facing Phantom - Middle/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.367 mW/g
Bottom of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.4 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 0.685 W/kg
SAR(1 g) = 0.389 mW/g; SAR(10 g) = 0.208 mW/g
Maximum value of SAR (measured) = 0.430 mW/g

SCN/85011JD03/026: Rear of EUT Facing Phantom Hotspot Mode EGPRS CH660
Date 13/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

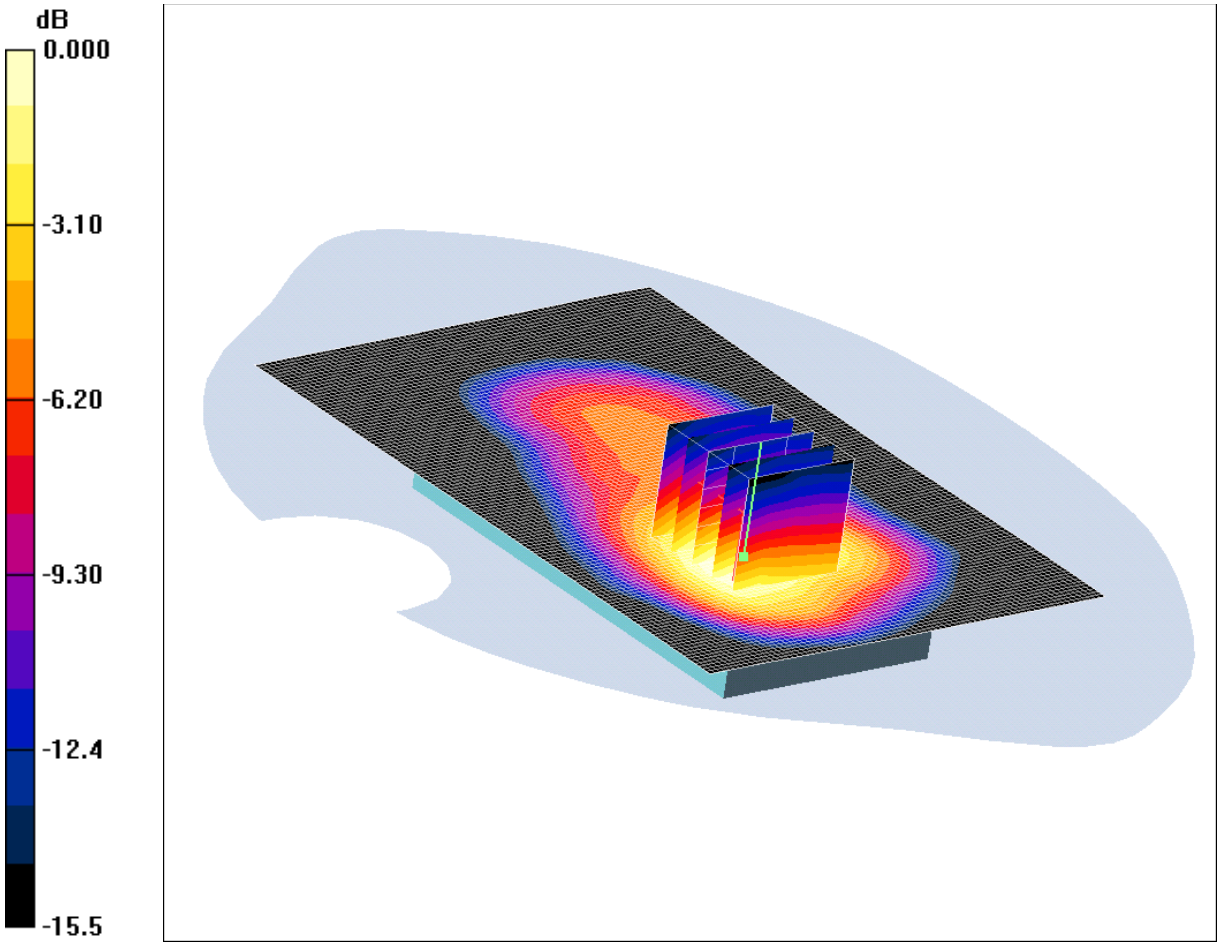


0 dB = 0.729mW/g

Communication System: EGPRS 1900 4Tx; Frequency: 1879.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.57 mho/m; ε_r = 51.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.718 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.8 V/m; Power Drift = 0.140 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.399 mW/g
Maximum value of SAR (measured) = 0.729 mW/g

SCN/85011JD03/027: Rear of EUT Facing Phantom Hotspot Mode PCS CH660
Date 13/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

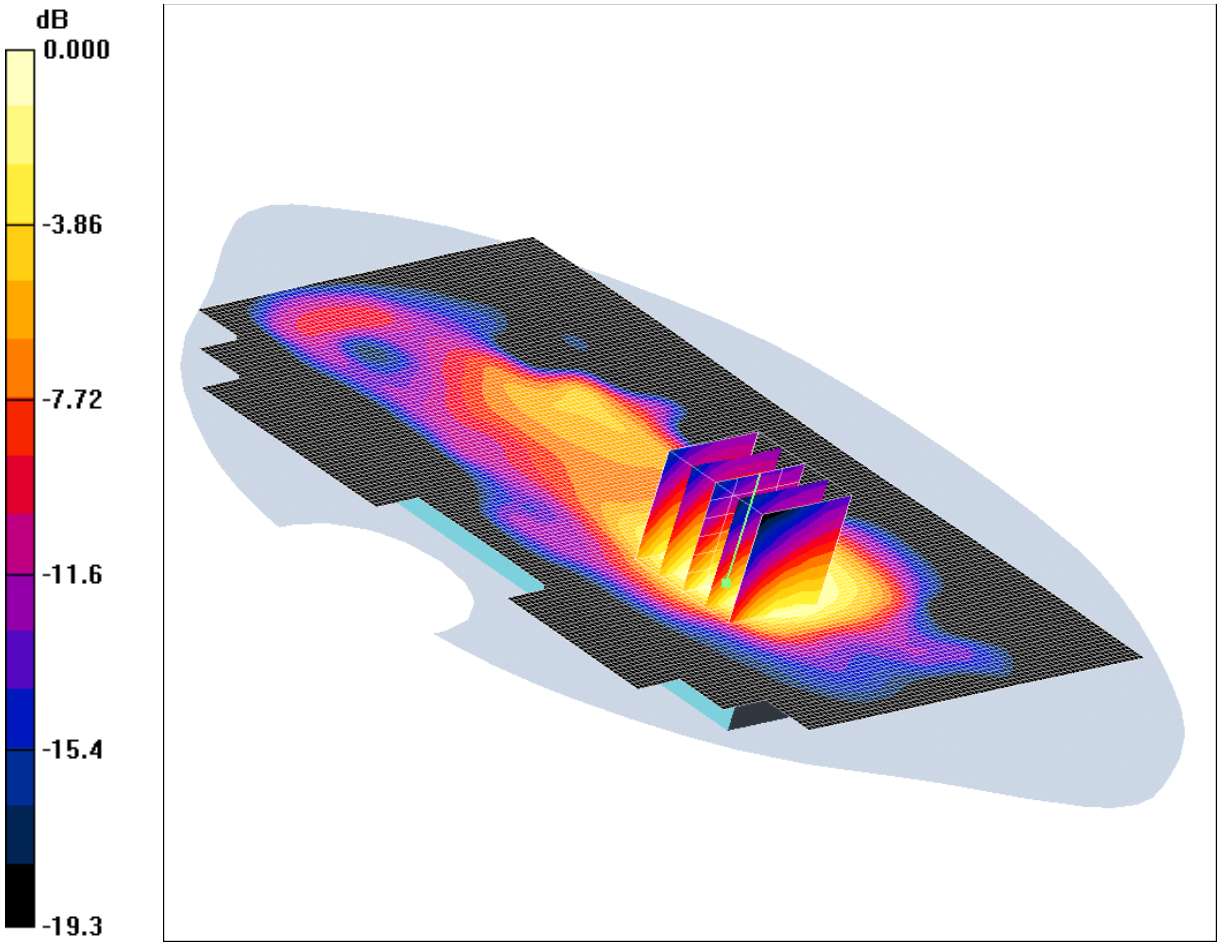


0 dB = 0.628mW/g

Communication System: PCS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.57 mho/m; ε_r = 51.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.630 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.0 V/m; Power Drift = -0.034 dB
Peak SAR (extrapolated) = 0.952 W/kg
SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.348 mW/g
Maximum value of SAR (measured) = 0.628 mW/g

SCN/85011JD03/028: Rear of EUT Facing Phantom With PHF Hotspot Mode EGPRS CH660
Date: 13/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

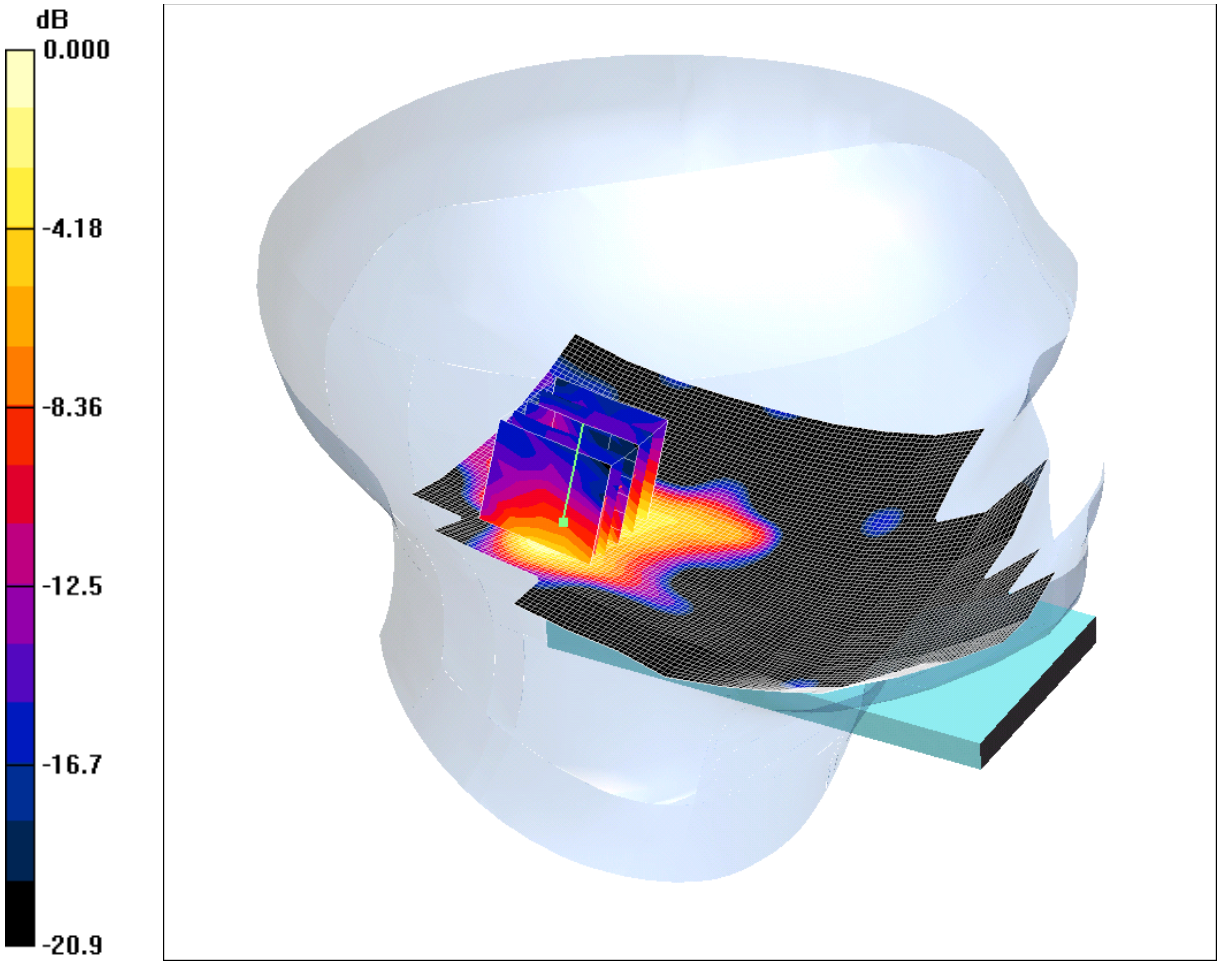


0 dB = 0.639mW/g

Communication System: EGPRS 1900 4Tx; Frequency: 1879.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.57 mho/m; ε_r = 51.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (101x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.675 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.9 V/m; Power Drift = -0.007 dB
Peak SAR (extrapolated) = 1.00 W/kg
SAR(1 g) = 0.609 mW/g; SAR(10 g) = 0.364 mW/g
Maximum value of SAR (measured) = 0.639 mW/g

SCN/85011JD03/029: Touch Left WLAN 802.11b 1Mbps CH6
Date: 17/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

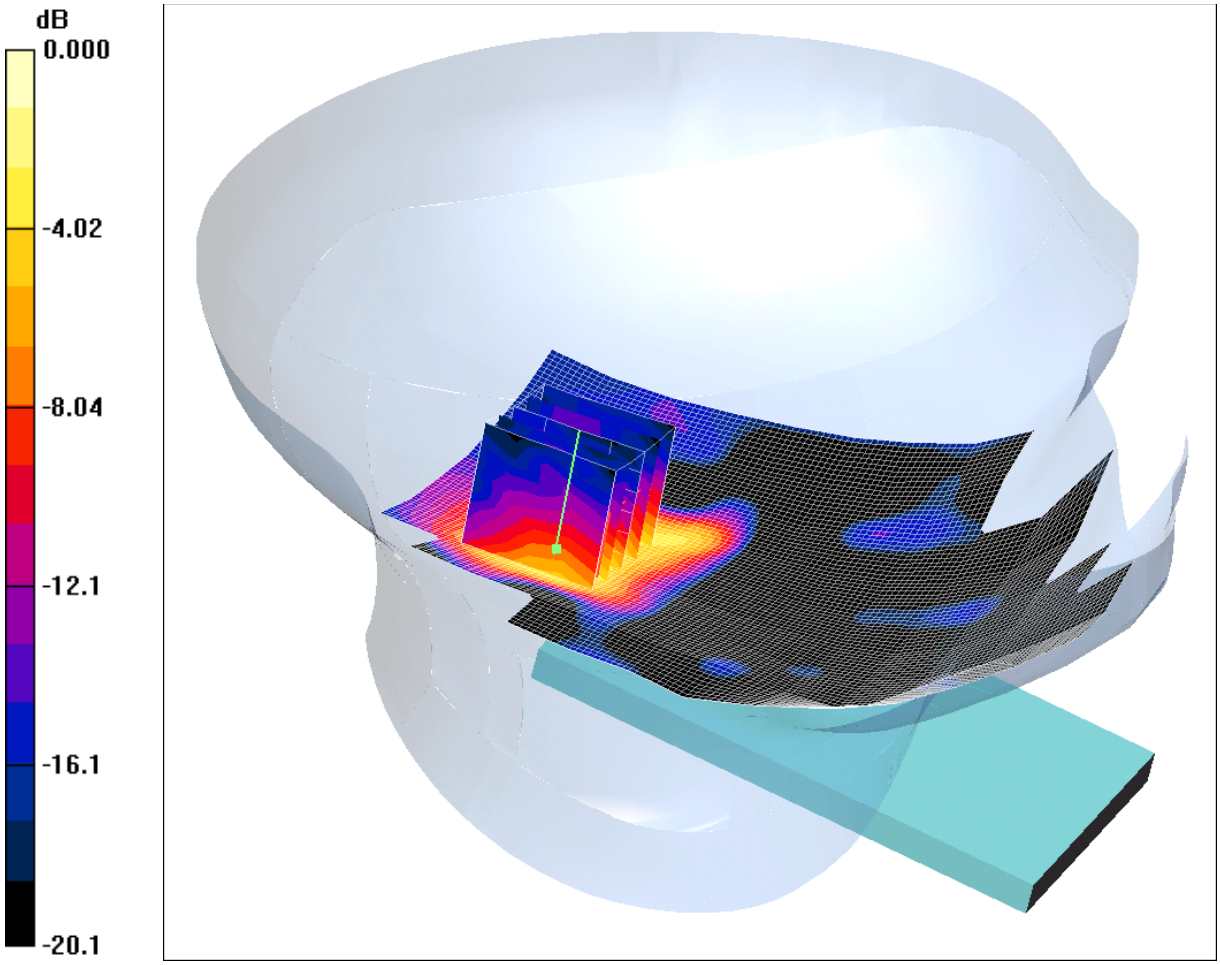


0 dB = 0.069mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.8 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Left - Middle/Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.076 mW/g
Touch Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.15 V/m; Power Drift = 0.199 dB
Peak SAR (extrapolated) = 0.120 W/kg
SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.031 mW/g
Maximum value of SAR (measured) = 0.069 mW/g

SCN/85011JD03/030: Tilt Left WLAN 802.11b 1Mbps CH6
Date: 17/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

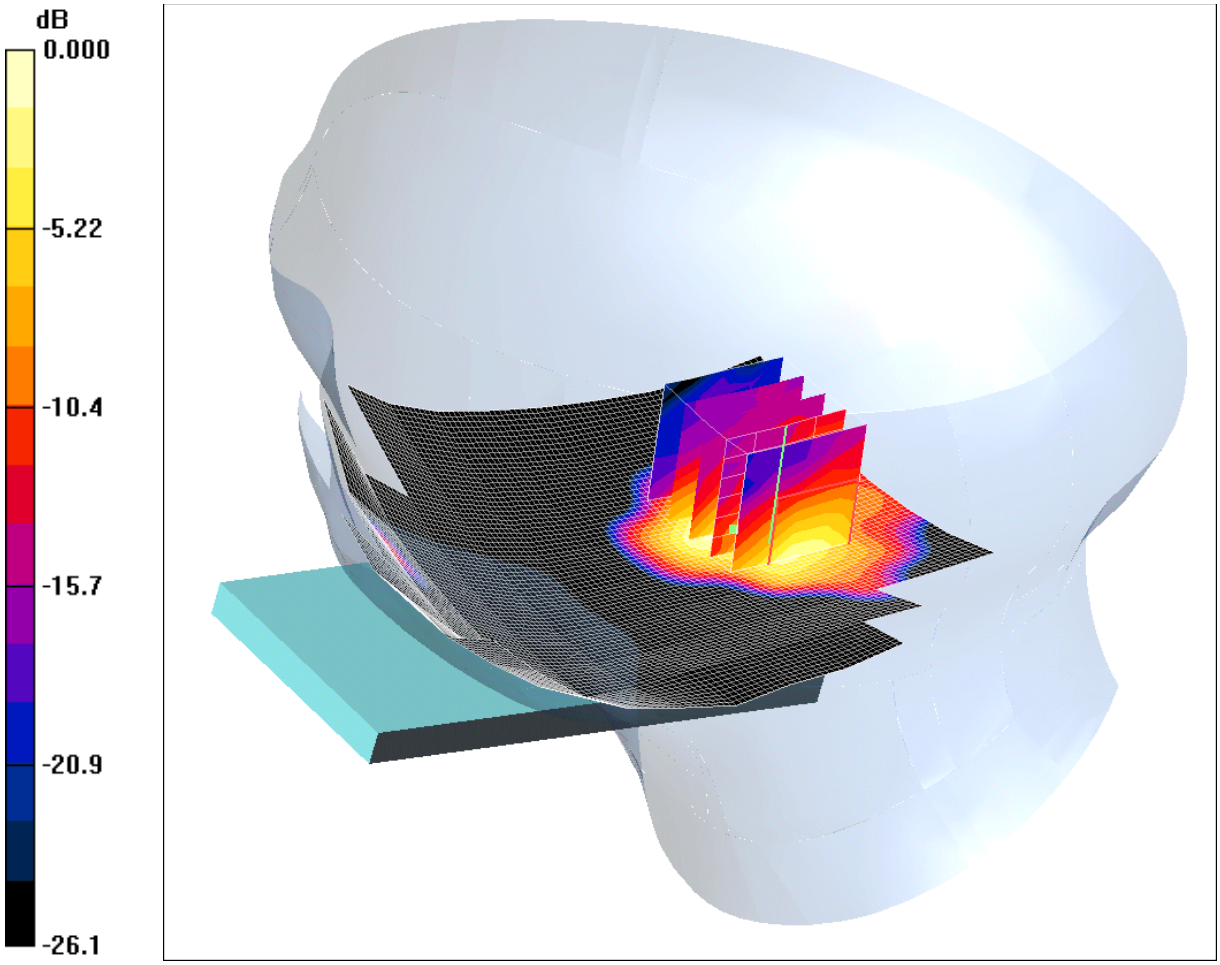


0 dB = 0.071mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.8 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Left - Middle/Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.070 mW/g
Tilt Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.41 V/m; Power Drift = 0.164 dB
Peak SAR (extrapolated) = 0.155 W/kg
SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.071 mW/g

SCN/85011JD03/031: Touch Right WLAN 802.11b 1Mbps CH6
Date: 17/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

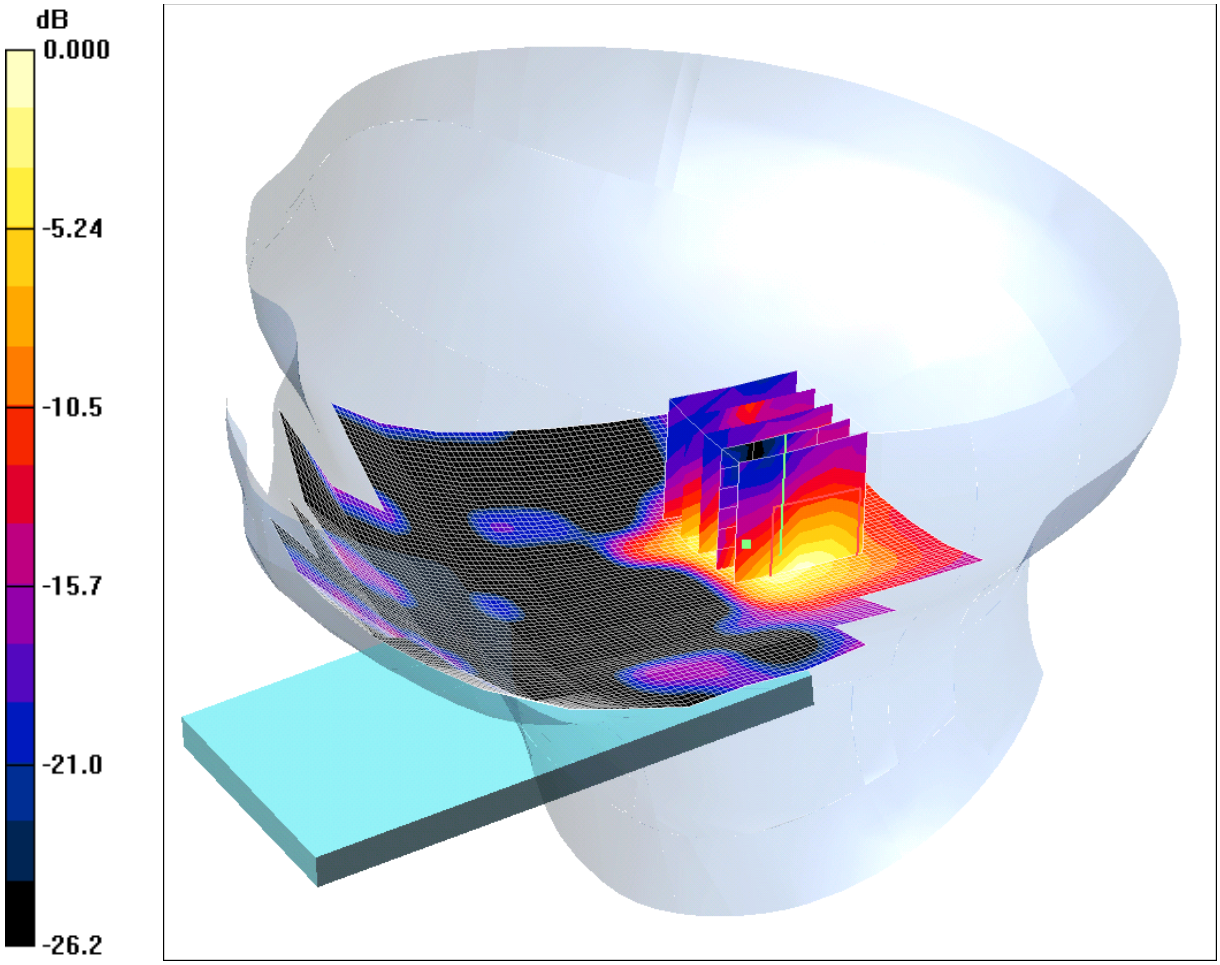


0 dB = 0.101mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.8 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - Middle 2 2/Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.101 mW/g
Touch Right - Middle 2 2/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.87 V/m; Power Drift = 0.182 dB
Peak SAR (extrapolated) = 0.194 W/kg
SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.040 mW/g
Maximum value of SAR (measured) = 0.101 mW/g

SCN/85011JD03/032: Tilt Right WLAN 802.11b 1Mbps CH6
Date: 17/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

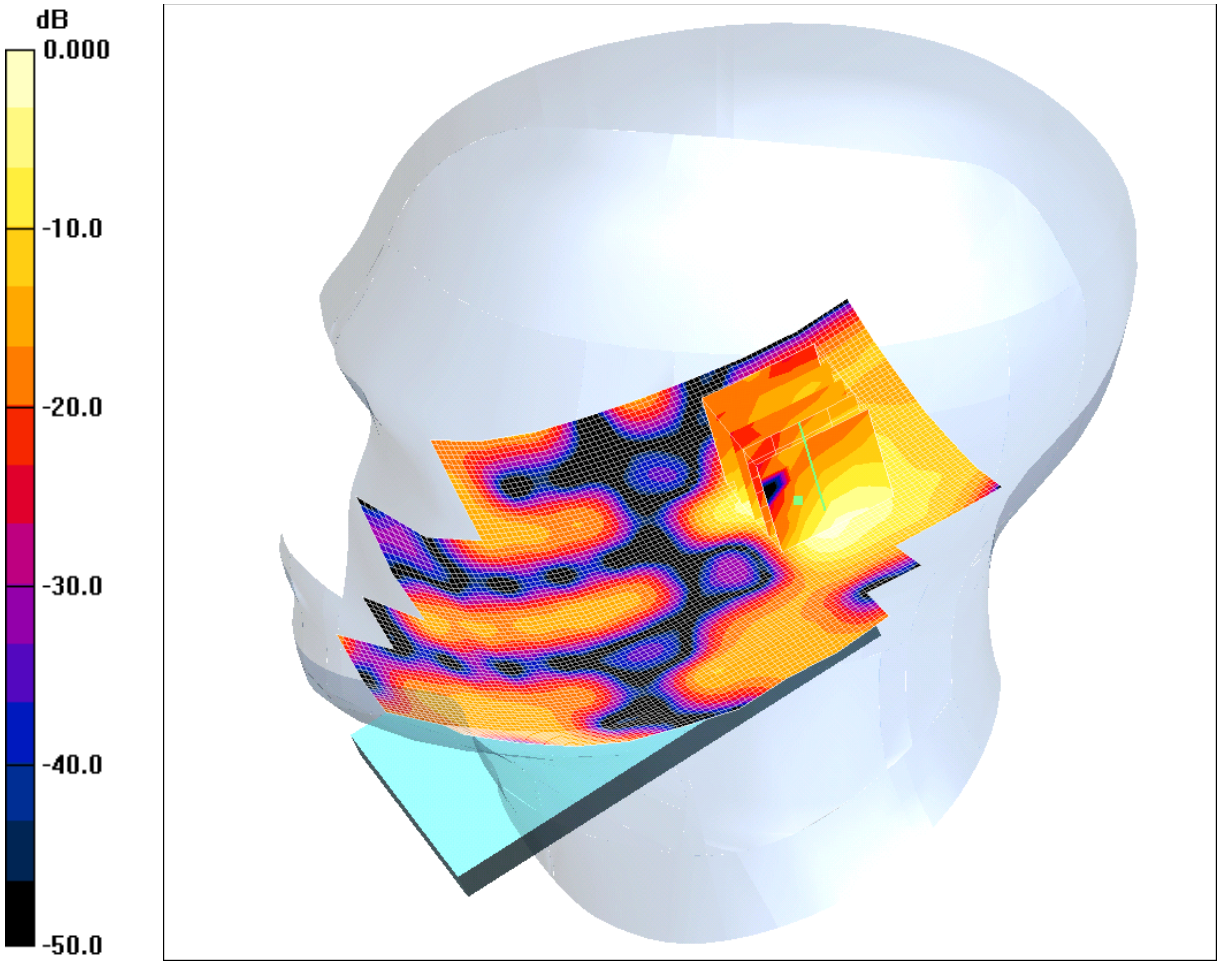


0 dB = 0.111mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.8 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Right - Middle/Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.115 mW/g
Tilt Right - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.98 V/m; Power Drift = 0.056 dB
Peak SAR (extrapolated) = 0.175 W/kg
SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.042 mW/g
Maximum value of SAR (measured) = 0.111 mW/g

SCN/85011JD03/033: Tilt Right WLAN 802.11g 6Mbps CH6
Date 17/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

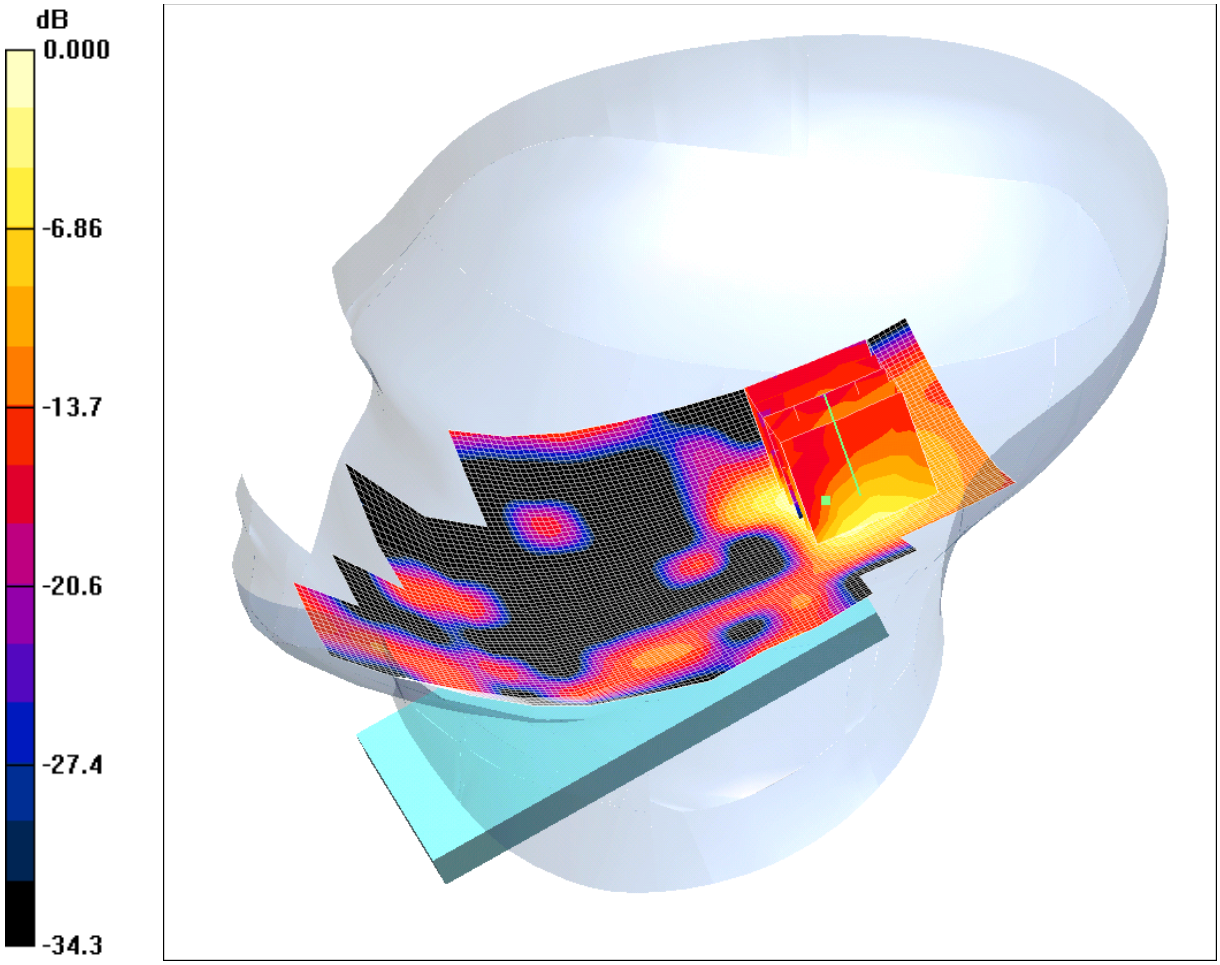


0 dB = 0.069mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.8 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Right - Middle/Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.083 mW/g
Tilt Right - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.12 V/m; Power Drift = -0.004 dB
Peak SAR (extrapolated) = 0.103 W/kg
SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.026 mW/g
Maximum value of SAR (measured) = 0.069 mW/g

SCN/85011JD03/034: Tilt Right WLAN 802.11n 6.5Mbps CH6
Date 17/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

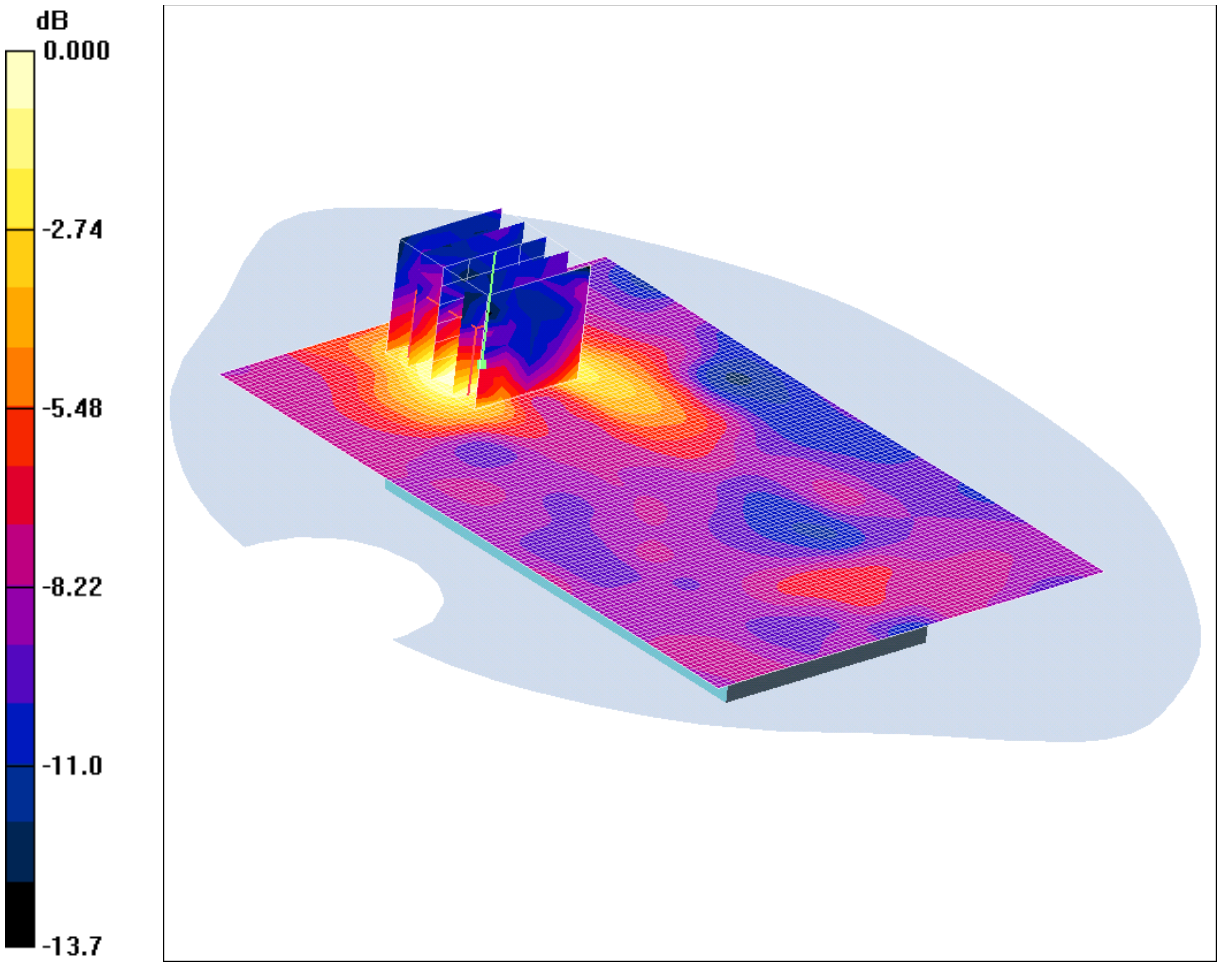


0 dB = 0.063mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.8 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Right - Middle/Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.071 mW/g
Tilt Right - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.26 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 0.100 W/kg
SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.024 mW/g
Maximum value of SAR (measured) = 0.063 mW/g

SCN/85011JD03/035: Front of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1Mbps CH6
Date 17/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

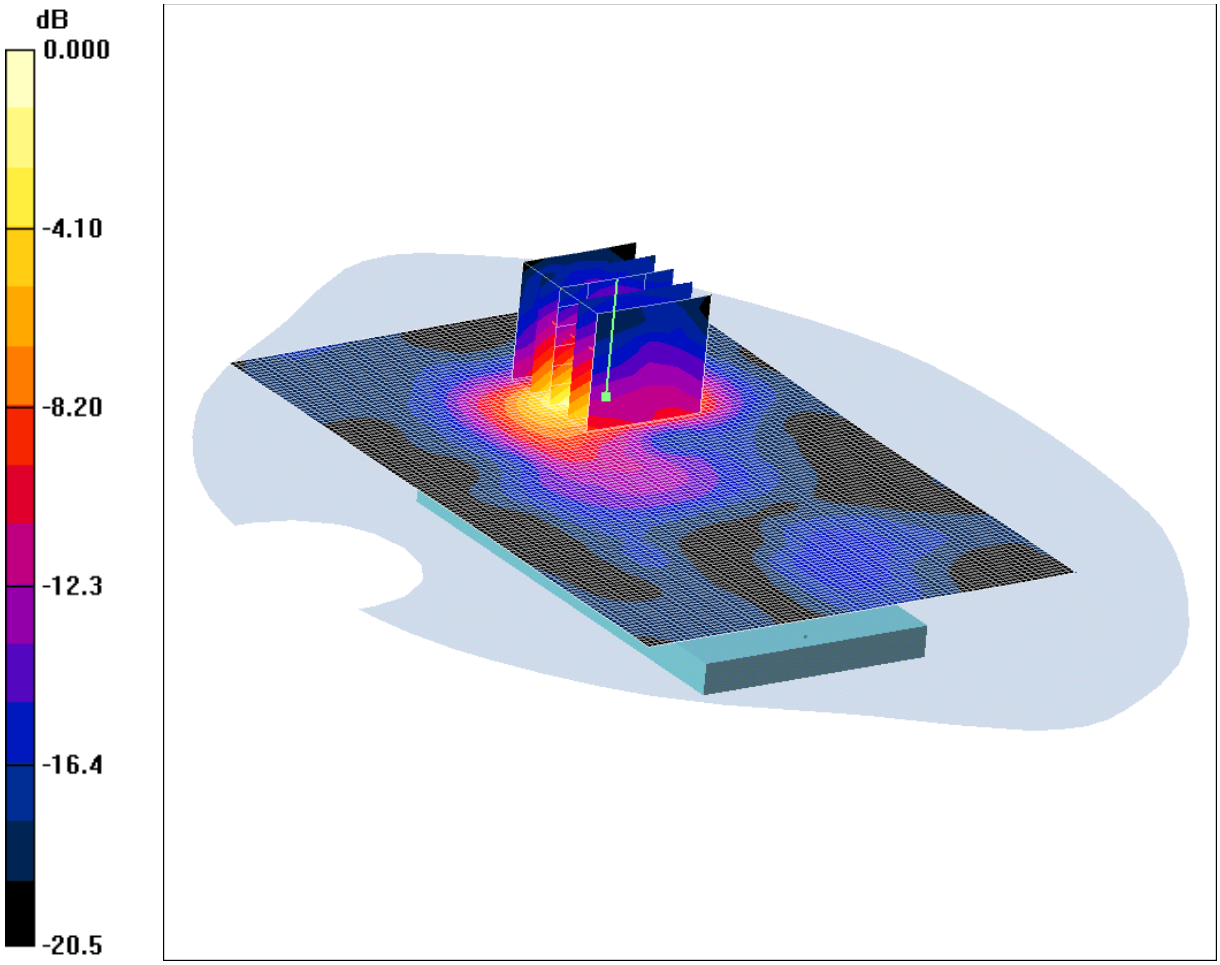


0 dB = 0.022mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.01 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.024 mW/g
Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.34 V/m; Power Drift = 0.072 dB
Peak SAR (extrapolated) = 0.040 W/kg
SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.011 mW/g
Maximum value of SAR (measured) = 0.022 mW/g

SCN/85011JD03/036: Rear of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1Mbps CH6
Date 17/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

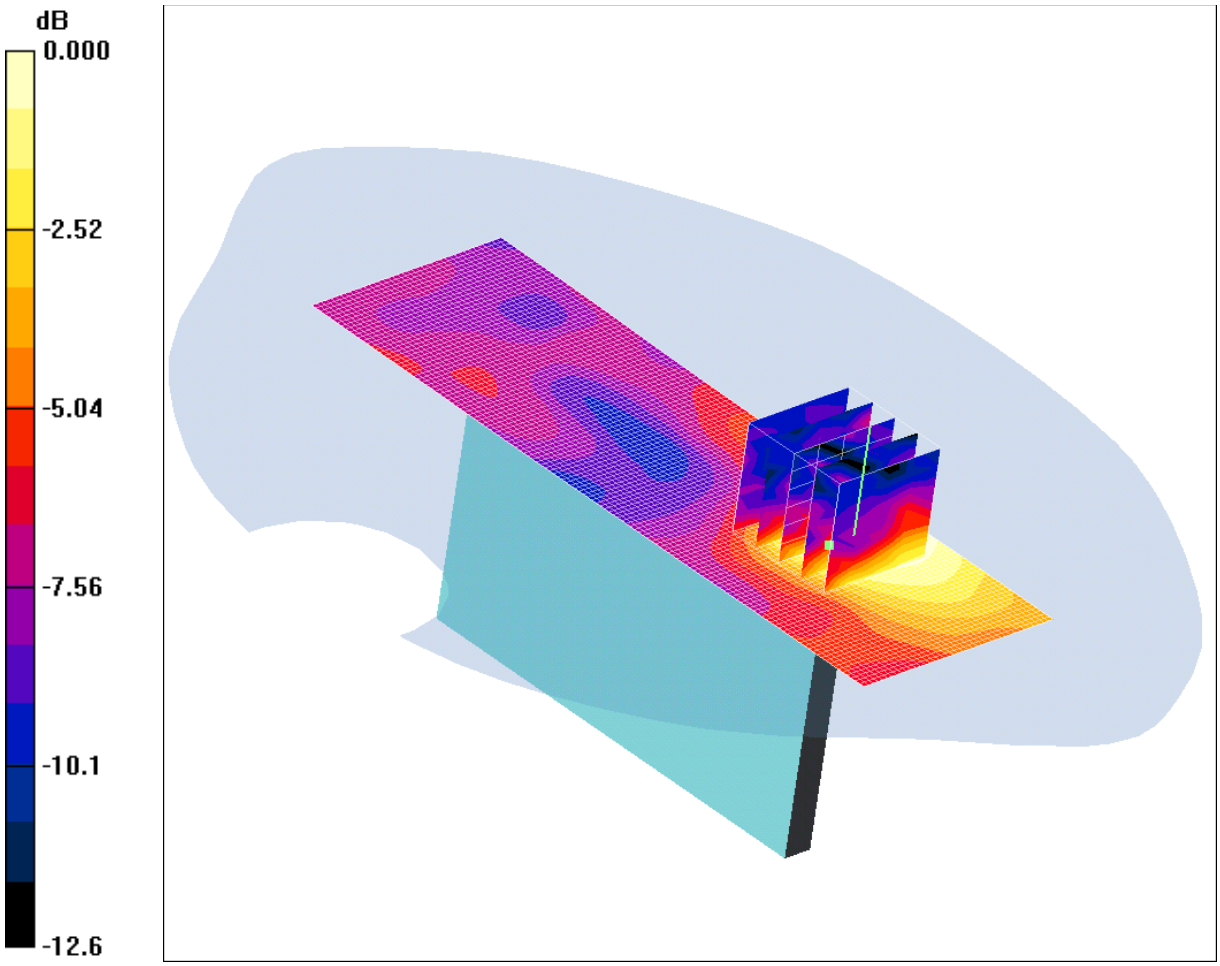


0 dB = 0.216mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.01 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.211 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.44 V/m; Power Drift = 0.009 dB
Peak SAR (extrapolated) = 0.396 W/kg
SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.079 mW/g
Maximum value of SAR (measured) = 0.216 mW/g

SCN/85011JD03/037: Left Hand Side of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1Mbps CH6
Date: 18/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

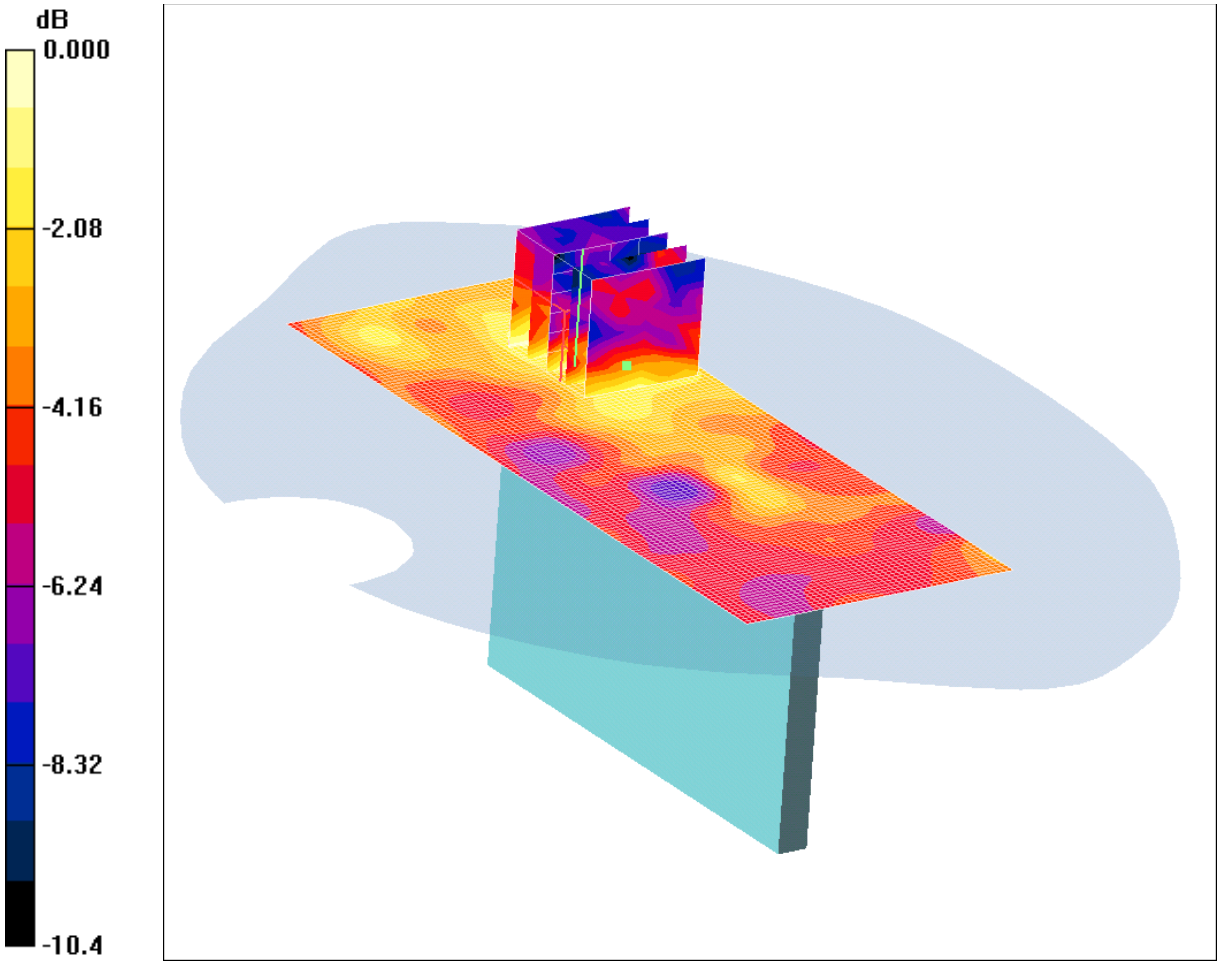


0 dB = 0.016mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.01 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Left Hand Side of EUT Facing Phantom - Middle 2/Area Scan (41x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.016 mW/g
Left Hand Side of EUT Facing Phantom - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.68 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 0.029 W/kg
SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.0081 mW/g
Maximum value of SAR (measured) = 0.016 mW/g

SCN/85011JD03/038: Right Hand Side of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1Mbps CH6
Date: 18/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

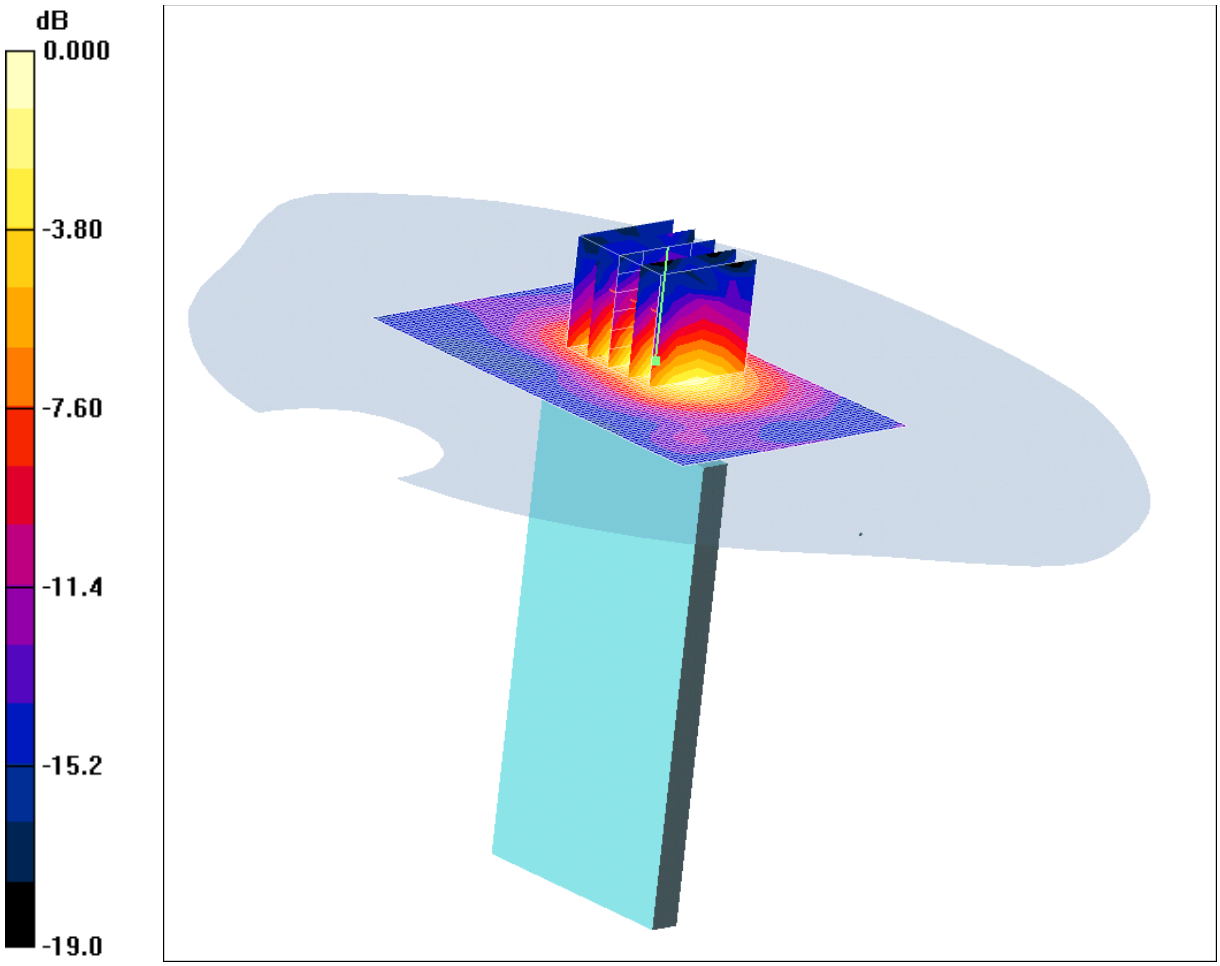


0 dB = 0.008mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.01 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Right Hand Side of EUT Facing Phantom - Middle 2/Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.006 mW/g
Right Hand Side of EUT Facing Phantom - Middle 2/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.99 V/m; Power Drift = 0.179 dB
Peak SAR (extrapolated) = 0.014 W/kg
SAR(1 g) = 0.00717 mW/g; SAR(10 g) = 0.00461 mW/g
Maximum value of SAR (measured) = 0.008 mW/g

SCN/85011JD03/039: Top of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1Mbps CH6
Date: 18/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

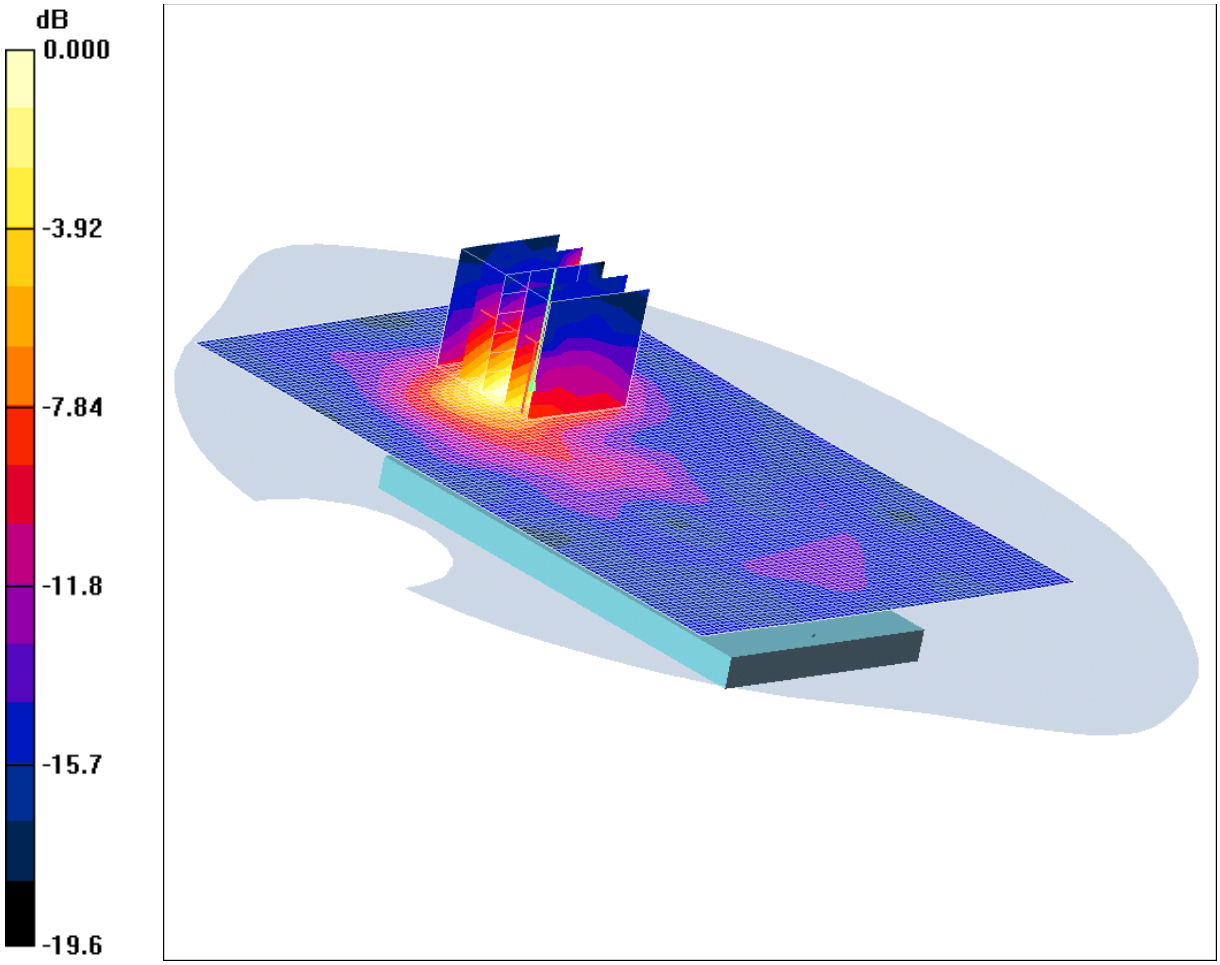


0 dB = 0.079mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.01 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Top of EUT Facing Phantom - Middle 2/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.085 mW/g
Top of EUT Facing Phantom - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.99 V/m; Power Drift = -0.067 dB
Peak SAR (extrapolated) = 0.137 W/kg
SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.035 mW/g
Maximum value of SAR (measured) = 0.079 mW/g

SCN/85011JD03/040: Rear of EUT Facing Phantom Hotspot Mode WLAN 802.11g 6Mbps CH6
Date: 18/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

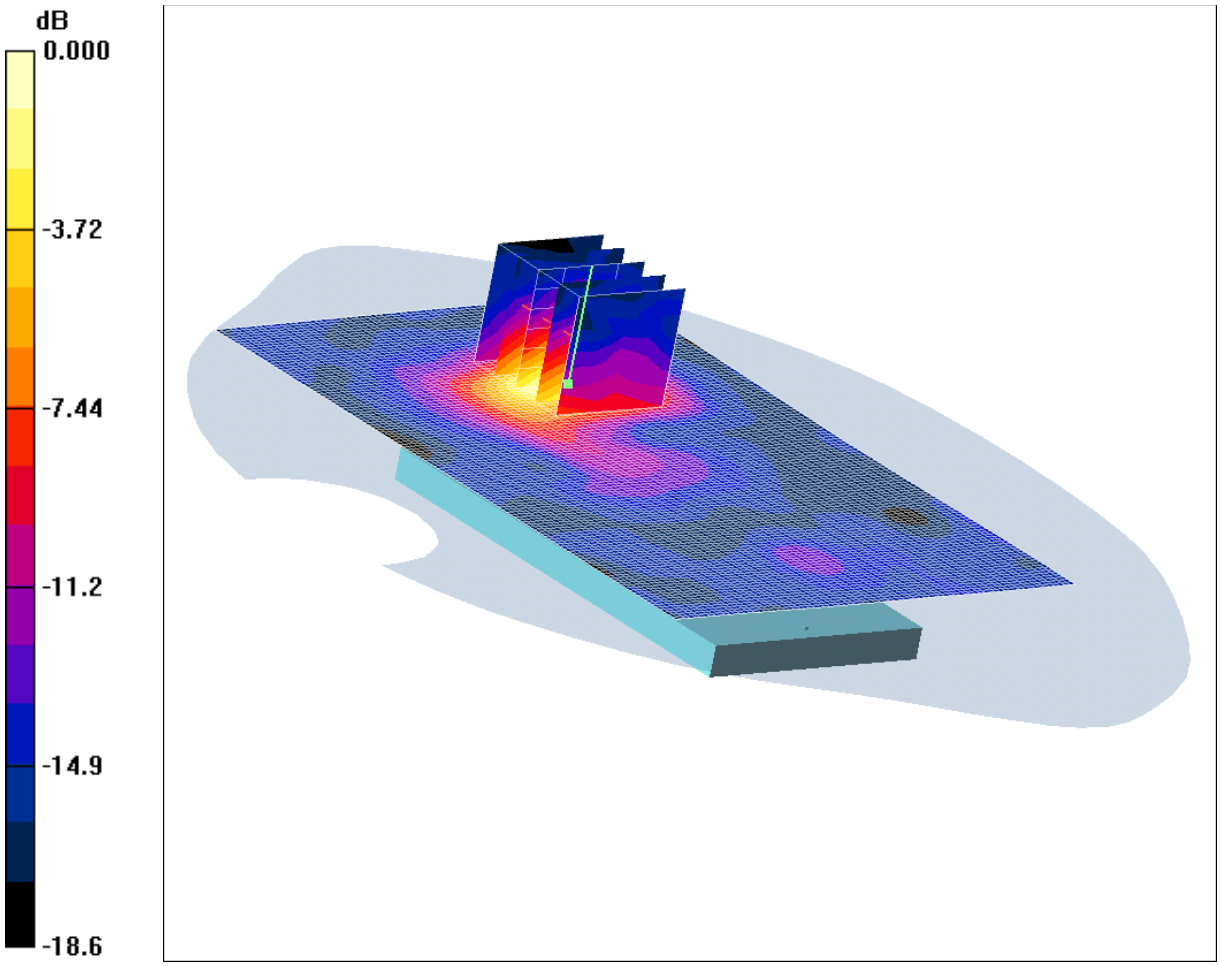


0 dB = 0.104mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.01 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.110 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.80 V/m; Power Drift = 0.029 dB
Peak SAR (extrapolated) = 0.196 W/kg
SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.040 mW/g
Maximum value of SAR (measured) = 0.104 mW/g

SCN/85011JD03/041: Rear of EUT Facing Phantom Hotspot Mode WLAN 802.11n 6.5Mbps CH6
Date: 18/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

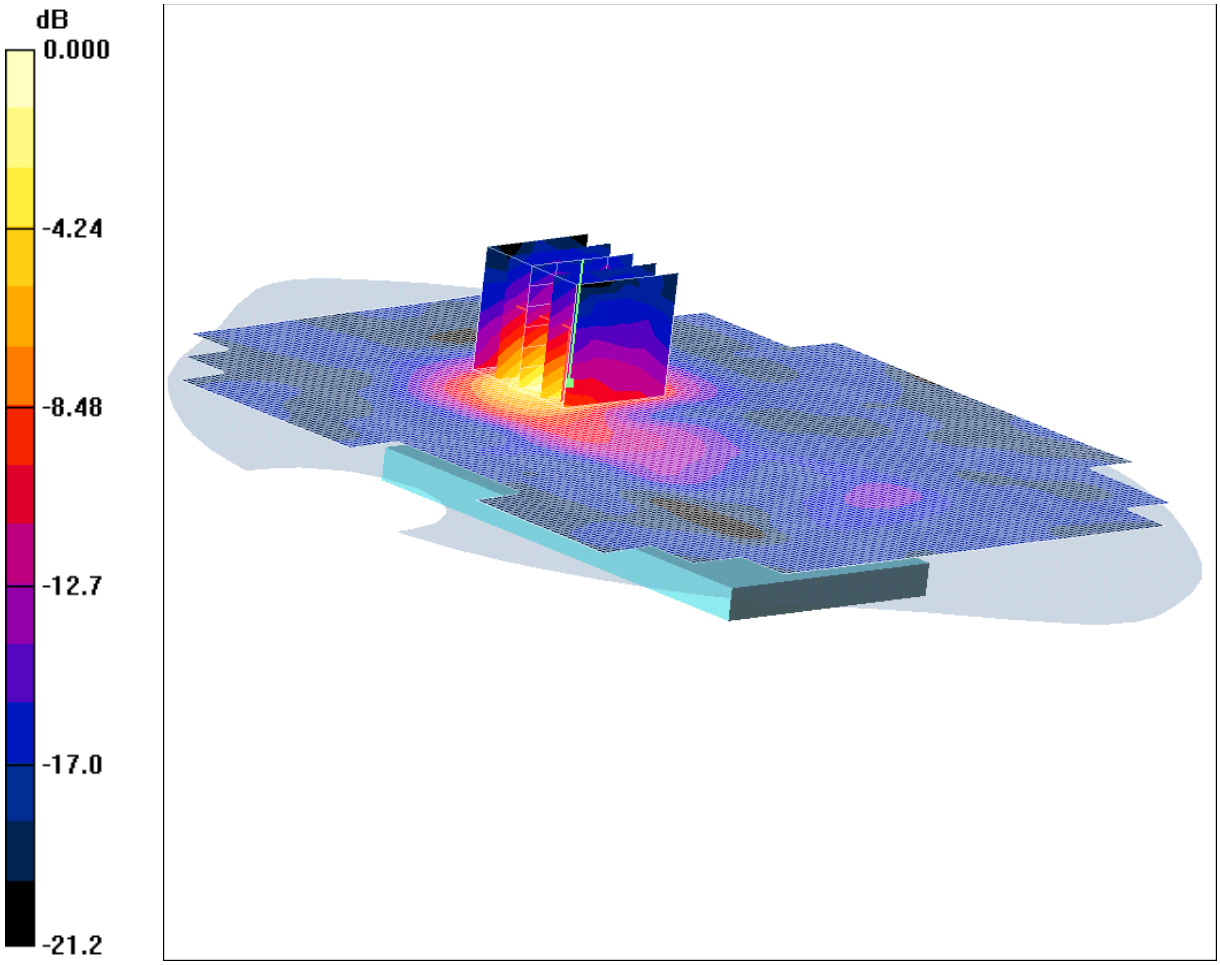


0 dB = 0.104mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.01 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.106 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.75 V/m; Power Drift = -0.052 dB
Peak SAR (extrapolated) = 0.192 W/kg
SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.040 mW/g
Maximum value of SAR (measured) = 0.104 mW/g

SCN/85011JD03/042: Rear of EUT Facing Phantom With PHF Hotspot Mode WLAN 802.11b 1Mbps CH6
Date: 18/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: EU12BR5 (Sample C28); Serial: 004401221201078

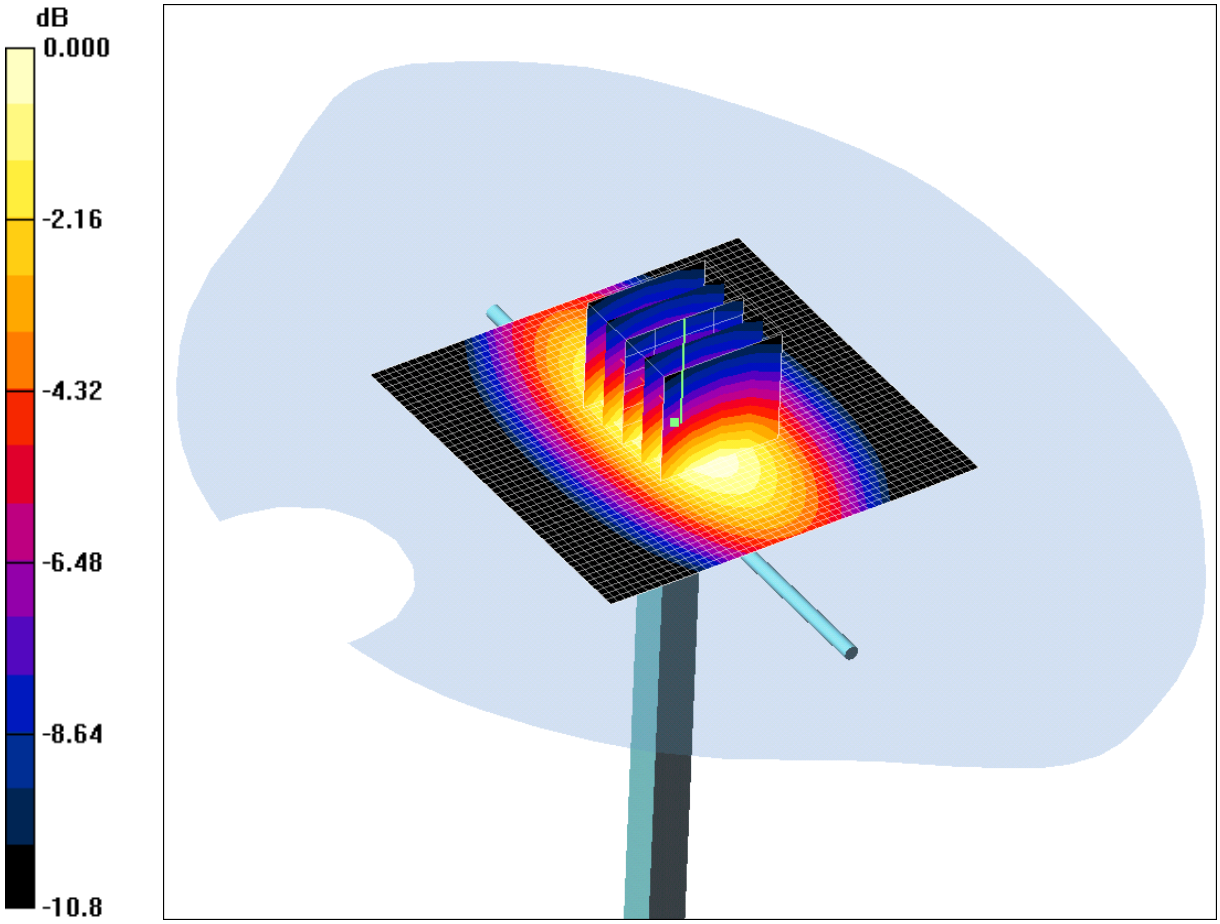


0 dB = 0.187mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.01 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (121x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.182 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.64 V/m; Power Drift = -0.045 dB
Peak SAR (extrapolated) = 0.344 W/kg
SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.069 mW/g
Maximum value of SAR (measured) = 0.187 mW/g

SCN/85011JD03/043: System Performance Check 900MHz Head 05 01 12
Date 05/01/2012
DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124

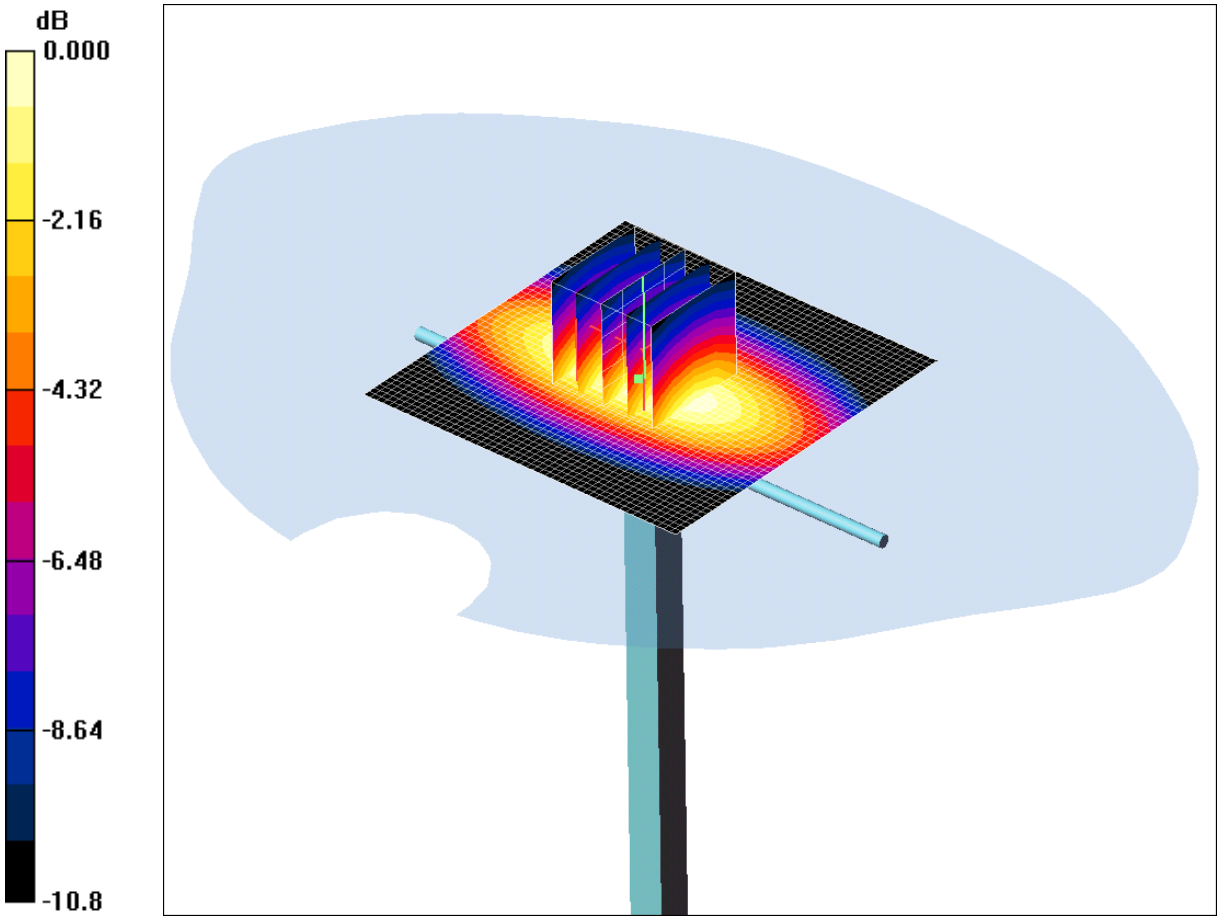


0 dB = 2.94mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used: f = 900 MHz; σ = 0.928 mho/m; ε_r = 41.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW /Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 3.05 mW/g
d=15mm, Pin=250mW /Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 59.8 V/m; Power Drift = -0.159 dB
Peak SAR (extrapolated) = 3.88 W/kg
SAR(1 g) = 2.72 mW/g; SAR(10 g) = 1.78 mW/g
Maximum value of SAR (measured) = 2.94 mW/g

SCN/85011JD03/044: System Performance Check 900MHz Head 06 01 12
Date: 06/01/2012
DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124

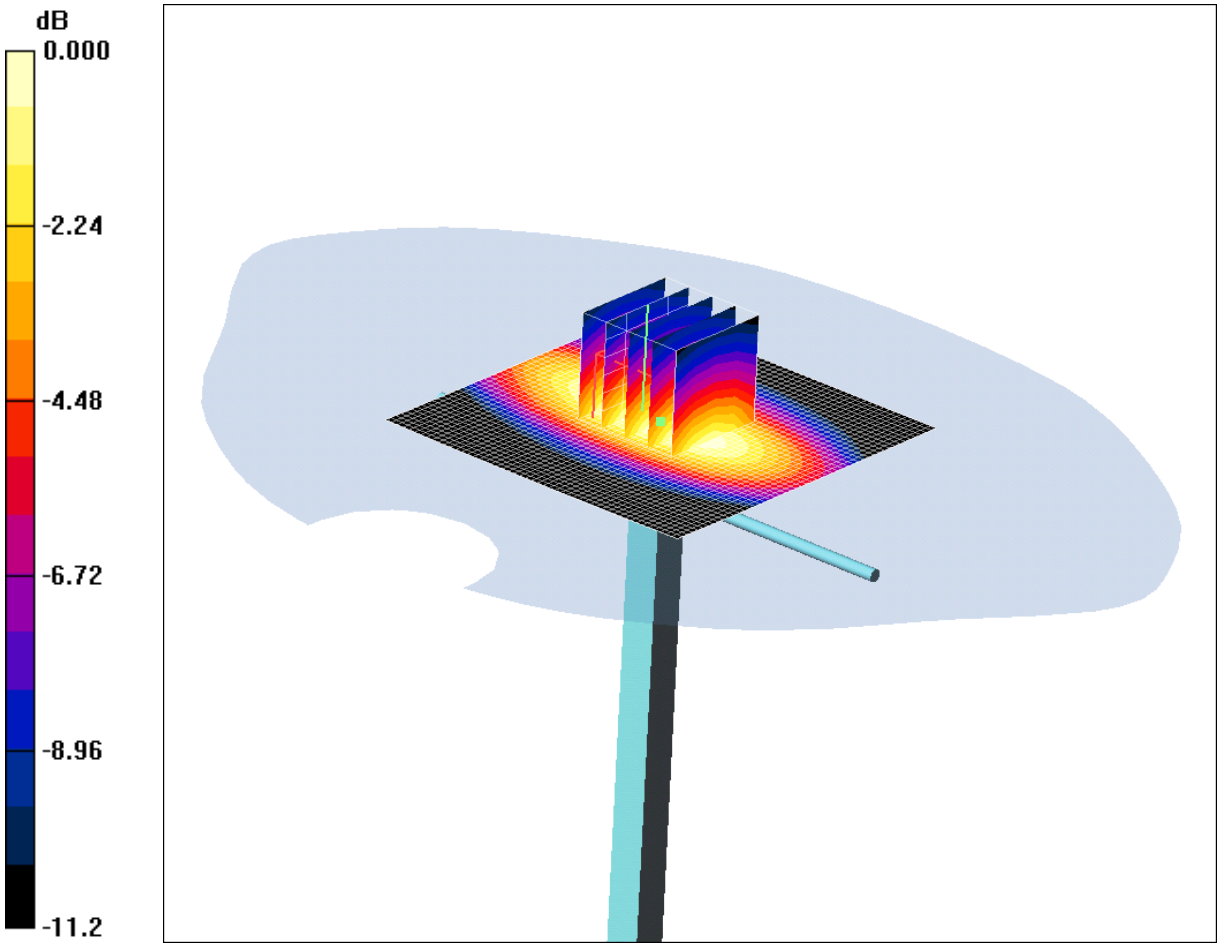


0 dB = 2.88mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used: f = 900 MHz; σ = 0.928 mho/m; ε_r = 41.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 2.96 mW/g
d=15mm, Pin=250mW 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 58.9 V/m; Power Drift = -0.145 dB
Peak SAR (extrapolated) = 3.78 W/kg
SAR(1 g) = 2.66 mW/g; SAR(10 g) = 1.74 mW/g
Maximum value of SAR (measured) = 2.88 mW/g

SCN/85011JD03/045: System Performance Check 900MHz Body 09 01 12
Date: 09/01/2012
DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124

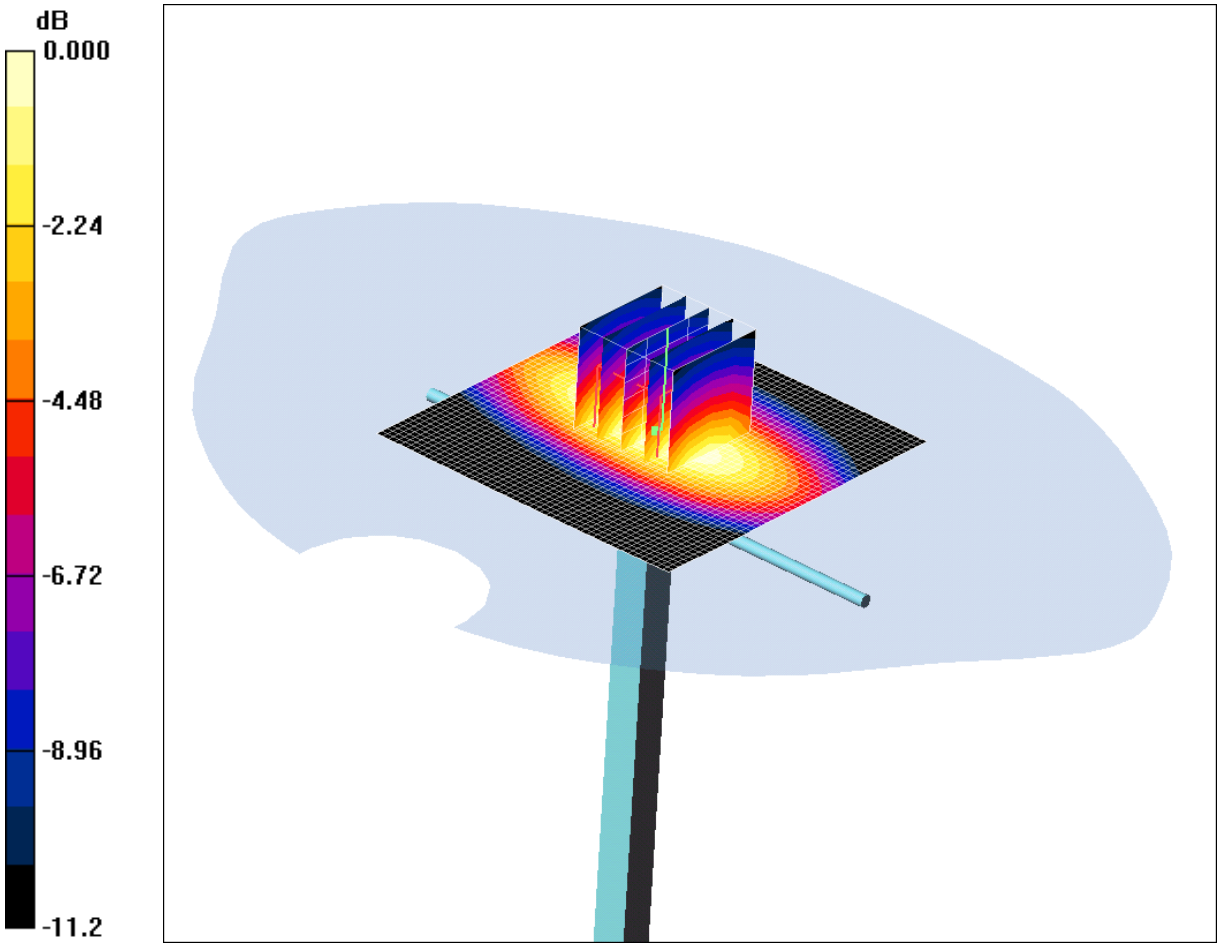


0 dB = 2.86mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.04 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 3.05 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.5 V/m; Power Drift = 0.060 dB
Peak SAR (extrapolated) = 3.78 W/kg
SAR(1 g) = 2.65 mW/g; SAR(10 g) = 1.73 mW/g
Maximum value of SAR (measured) = 2.86 mW/g

SCN/85011JD03/046: System Performance Check 900MHz Body 10 01 12
Date: 10/01/2012
DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124

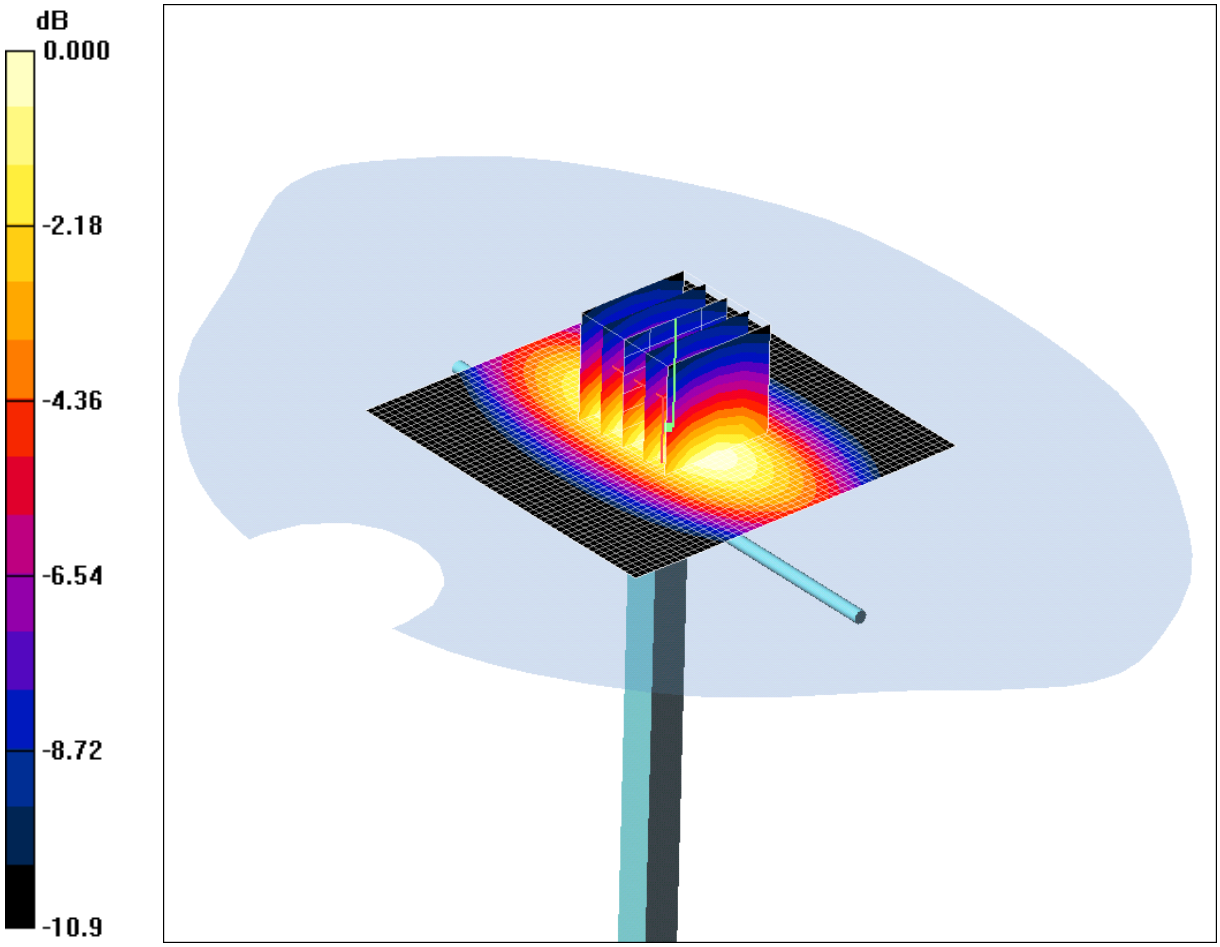


0 dB = 3.00mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.04 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 3.16 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.2 V/m; Power Drift = 0.038 dB
Peak SAR (extrapolated) = 3.94 W/kg
SAR(1 g) = 2.76 mW/g; SAR(10 g) = 1.79 mW/g
Maximum value of SAR (measured) = 3.00 mW/g

SCN/85011JD03/047: System Performance Check 900MHz Body 11 01 12
Date: 11/01/2012
DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124

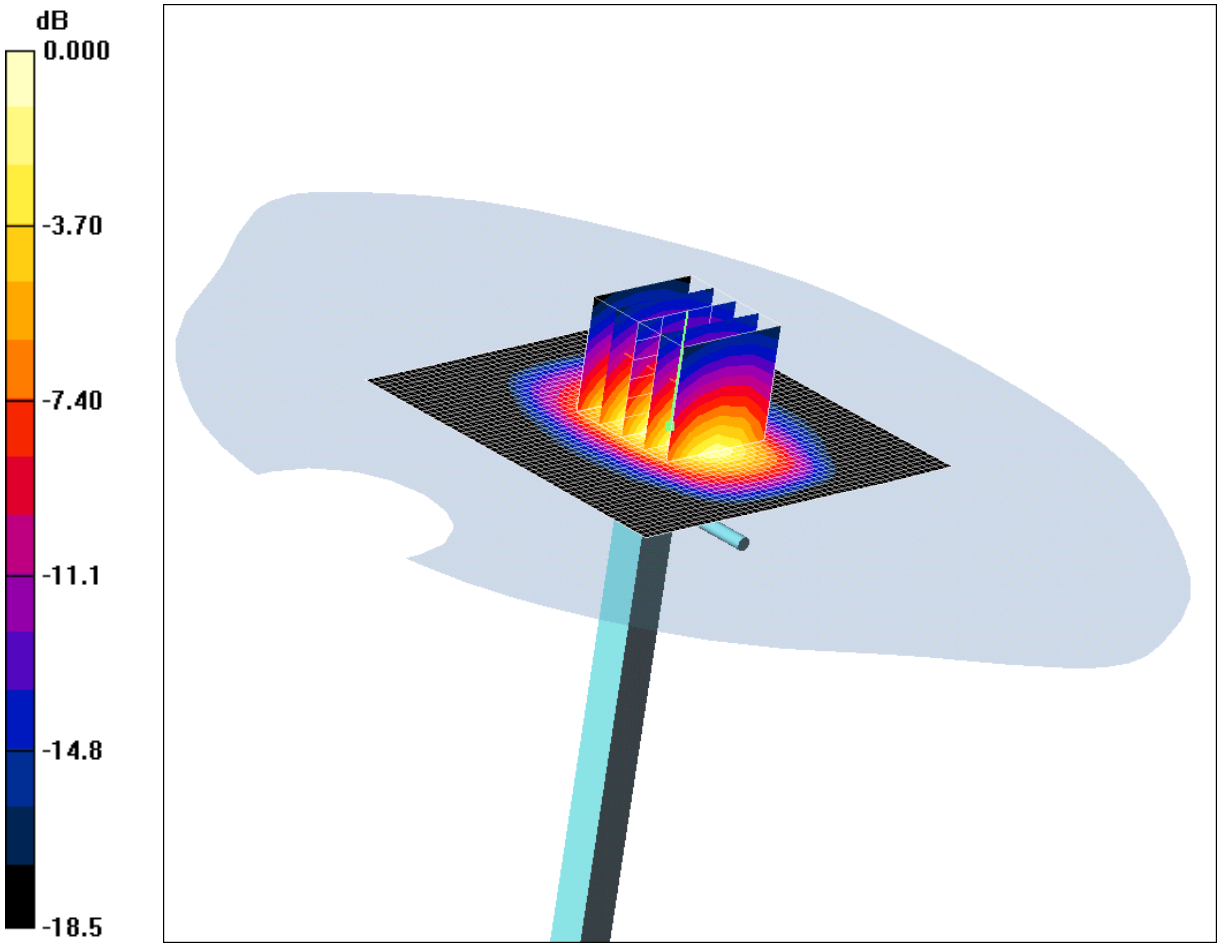


0 dB = 2.89mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.05 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 3.06 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.3 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 3.75 W/kg
SAR(1 g) = 2.68 mW/g; SAR(10 g) = 1.75 mW/g
Maximum value of SAR (measured) = 2.89 mW/g

SCN/85011JD03/048: System Performance Check 1900MHz Head 11 01 12
Date: 11/01/2012
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540

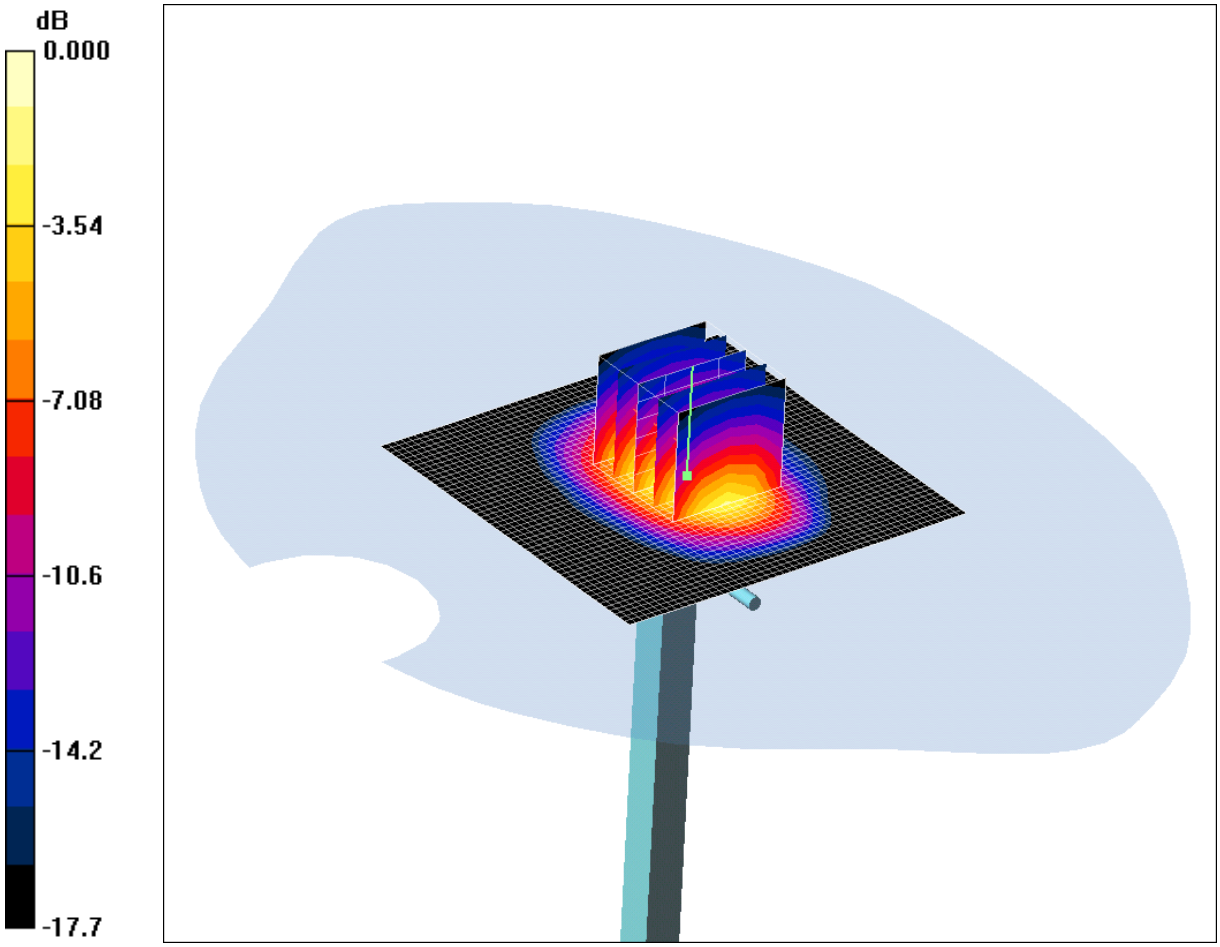


0 dB = 11.4mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz HSL Medium parameters used: f = 1900 MHz; σ = 1.46 mho/m; ε_r = 38.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 14.6 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 91.2 V/m; Power Drift = -0.003 dB
Peak SAR (extrapolated) = 18.3 W/kg
SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.27 mW/g
Maximum value of SAR (measured) = 11.4 mW/g

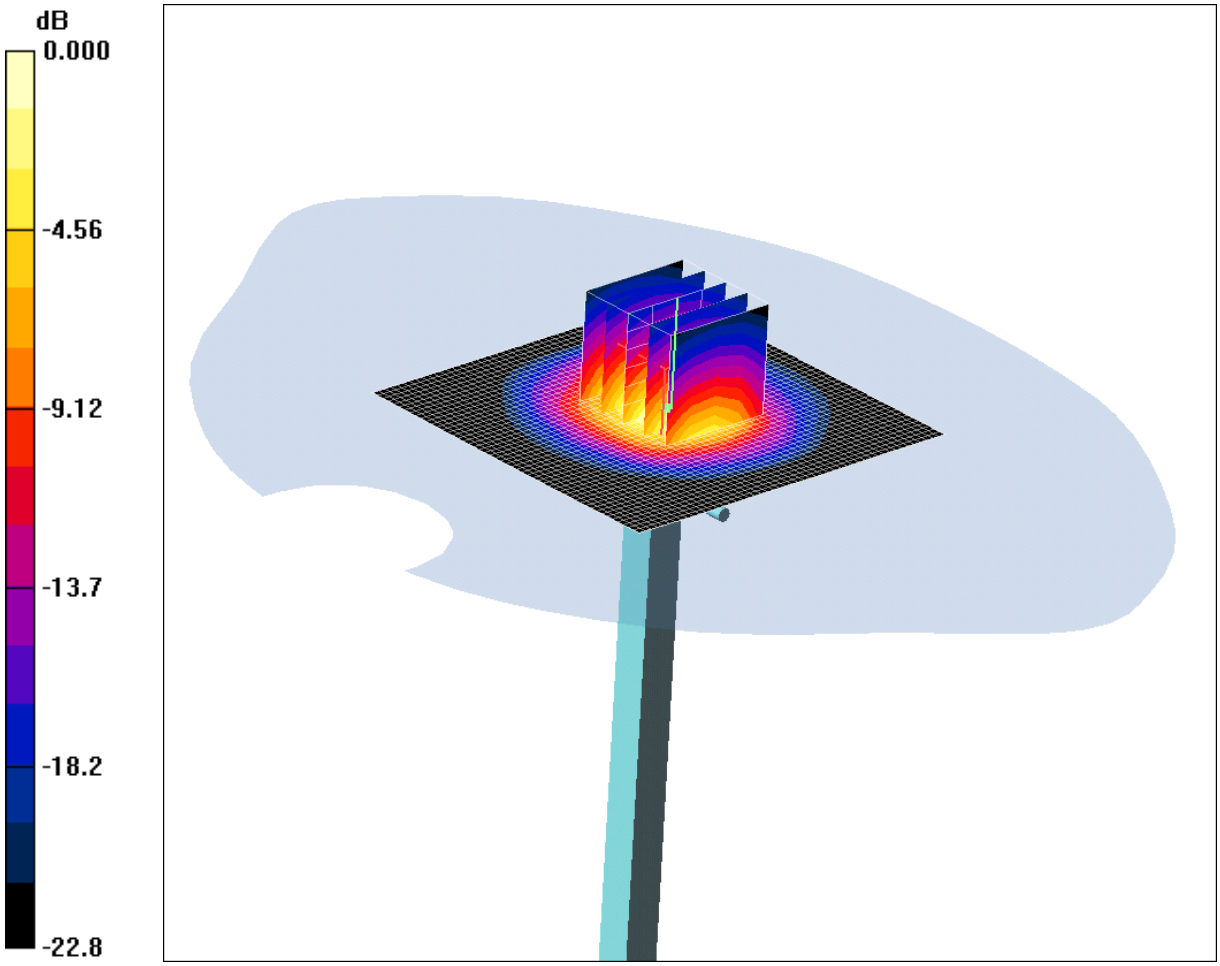
SCN/85011JD03/049: System Performance Check 1900MHz Body 13 01 12
Date: 13/01/2012
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540



0 dB = 11.5mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used: f = 1900 MHz; σ = 1.59 mho/m; ε_r = 51.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 14.4 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 86.8 V/m; Power Drift = -0.026 dB
Peak SAR (extrapolated) = 17.2 W/kg
SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.33 mW/g
Maximum value of SAR (measured) = 11.5 mW/g

SCN/85011JD03/050: System Performance Check 2450MHz Head 17 01 12
Date: 17/01/2012
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725

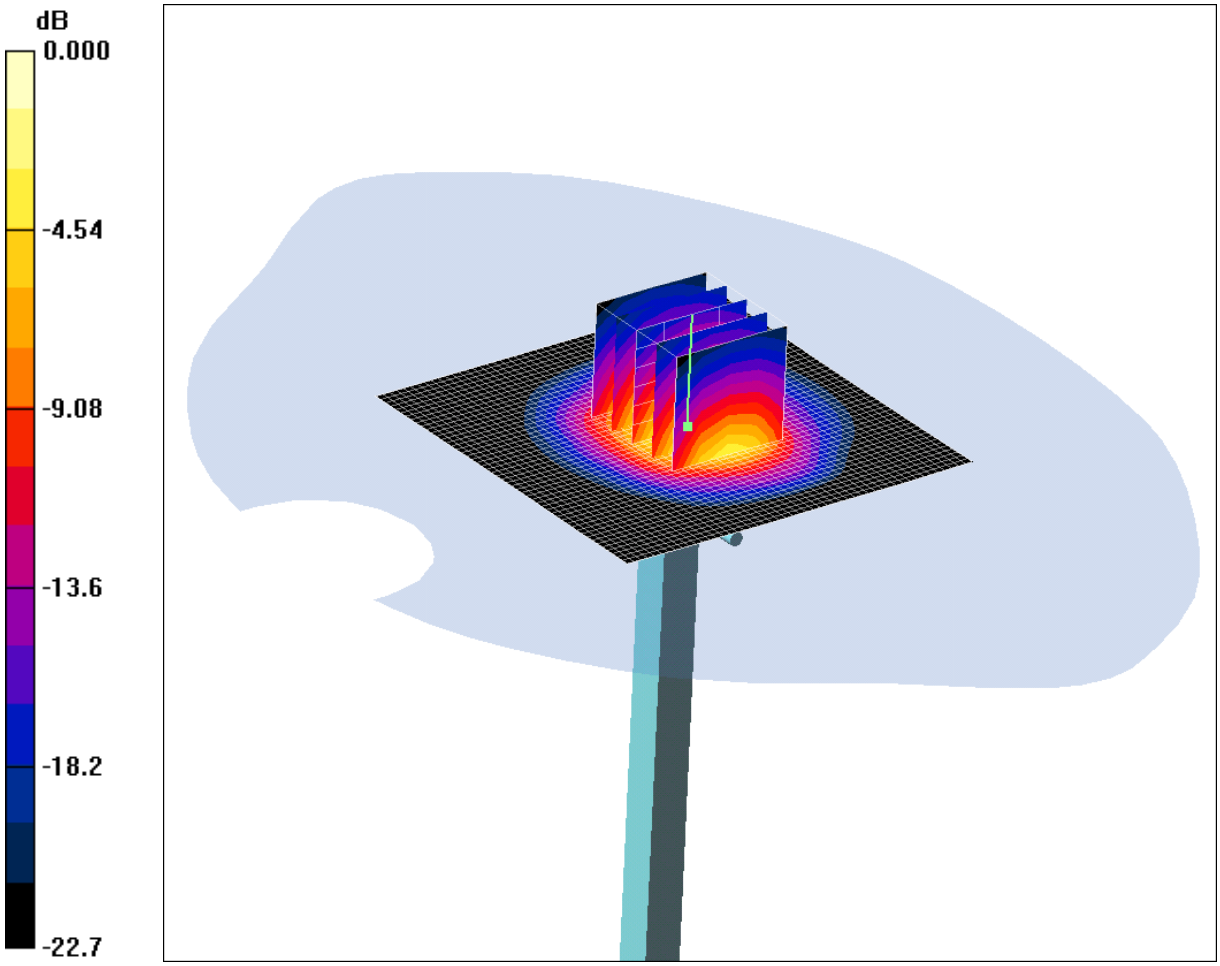


0 dB = 14.3mW/g

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used: f = 2450 MHz; σ = 1.82 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 18.2 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 85.5 V/m; Power Drift = -0.056 dB
Peak SAR (extrapolated) = 27.2 W/kg
SAR(1 g) = 12.8 mW/g; SAR(10 g) = 5.9 mW/g
Maximum value of SAR (measured) = 14.3 mW/g

SCN/85011JD03/051: System Performance Check 2450MHz Body 17 01 12
Date 17/01/2012
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725

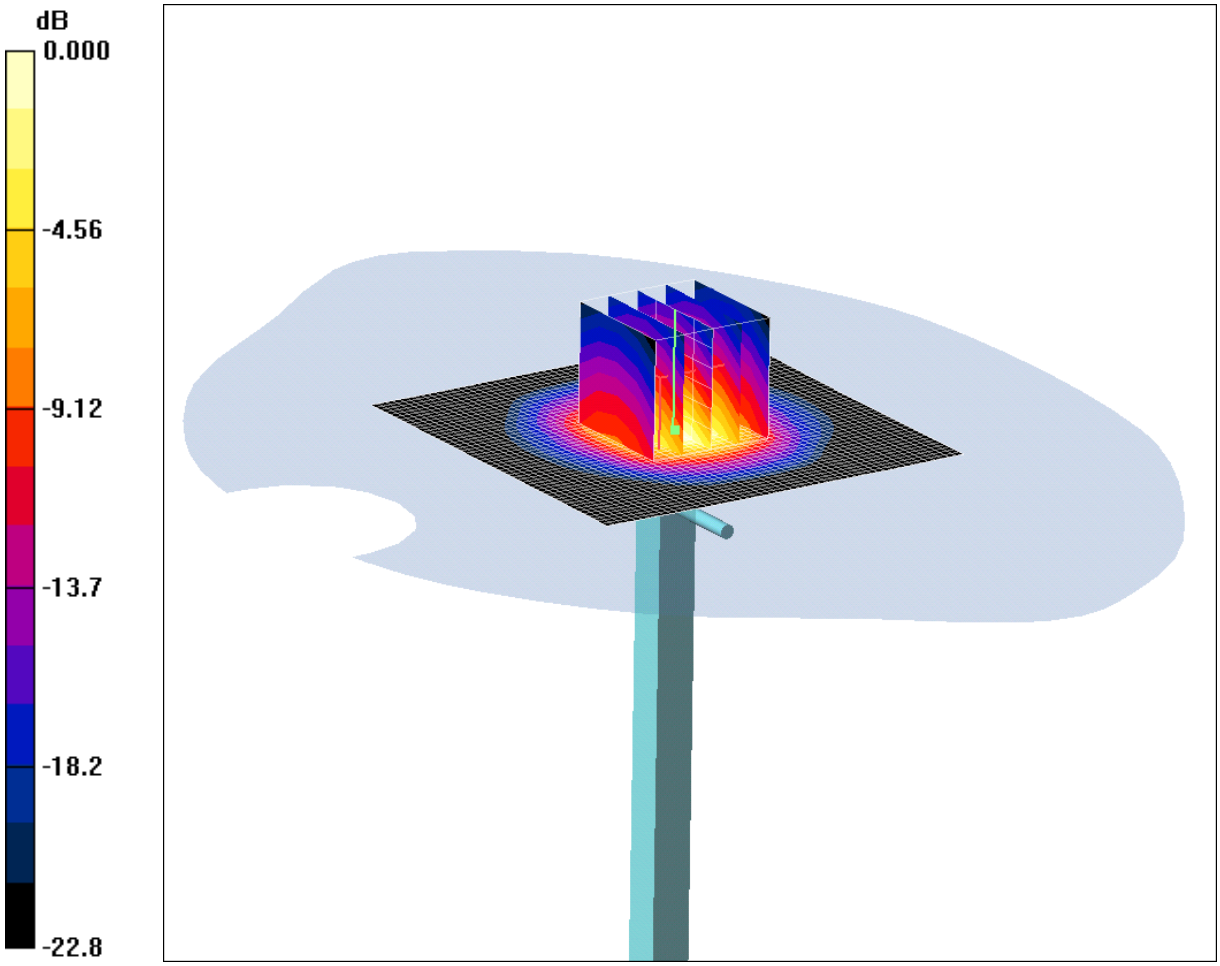


0 dB = 15.1mW/g

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used: f = 2450 MHz; σ = 2.03 mho/m; ε_r = 50.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 18.4 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 79.9 V/m; Power Drift = 0.065 dB
Peak SAR (extrapolated) = 27.9 W/kg
SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.1 mW/g
Maximum value of SAR (measured) = 15.1 mW/g

SCN/85011JD03/052: System Performance Check 2450MHz Body 18 01 12
Date: 18/01/2012
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725



0 dB = 15.2mW/g

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used: f = 2450 MHz; σ = 2.03 mho/m; ε_r = 50.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 19.6 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 86.0 V/m; Power Drift = 0.033 dB
Peak SAR (extrapolated) = 27.6 W/kg
SAR(1 g) = 13.3 mW/g; SAR(10 g) = 6.08 mW/g
Maximum value of SAR (measured) = 15.2 mW/g